

Appendix A

Figures **A1** through **A40**: UHII in units of degree-hours total over 182 days (DH/182 days), for various UHII tiles.

In this appendix, scales vary from one map to another, that is, the plotted ranges of UHII, bins (intervals), and color codes vary based on each region's characteristics.

All maps are oriented with north pointing up. The dots represent the centroids of the census tracts.

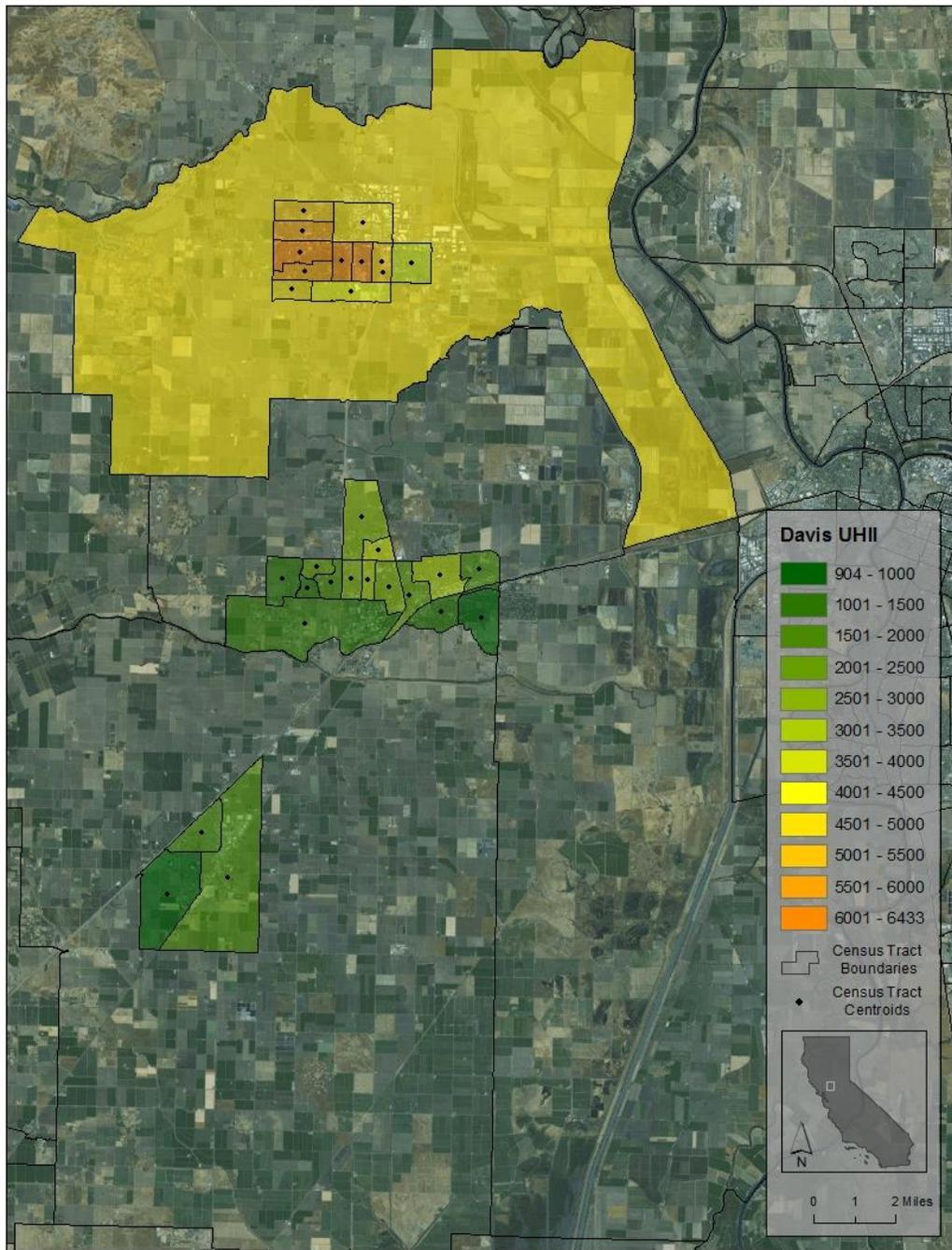


Figure A1: Woodland, Davis, and Dixon areas UHII (DH/182 days).
 Average temperature difference between warmest and coolest census tracts is 1.3°C.

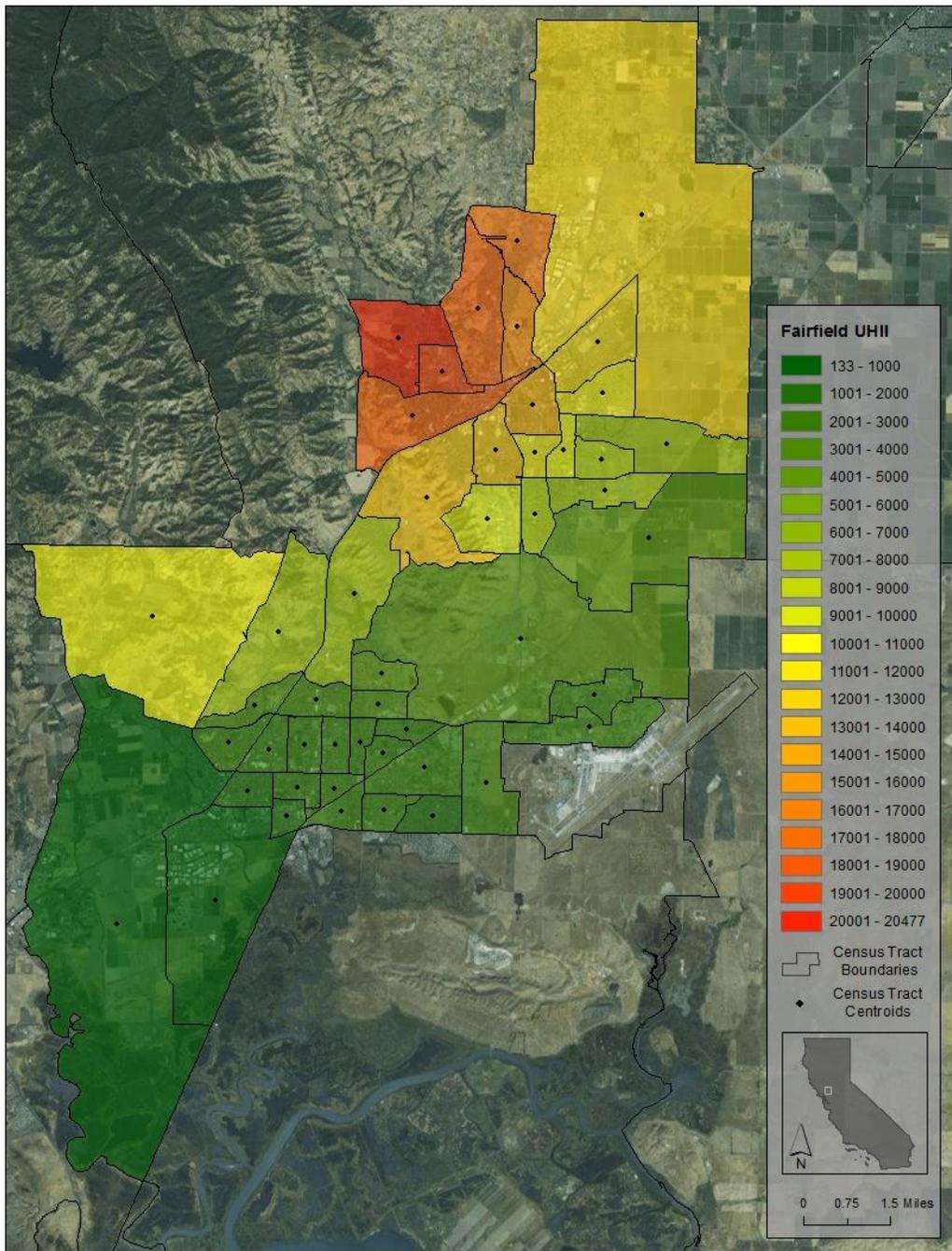


Figure A2: Fairfield and Vacaville areas UHII (DH/182 days).
 Average temperature difference between warmest and coolest census tracts is 4.6°C.

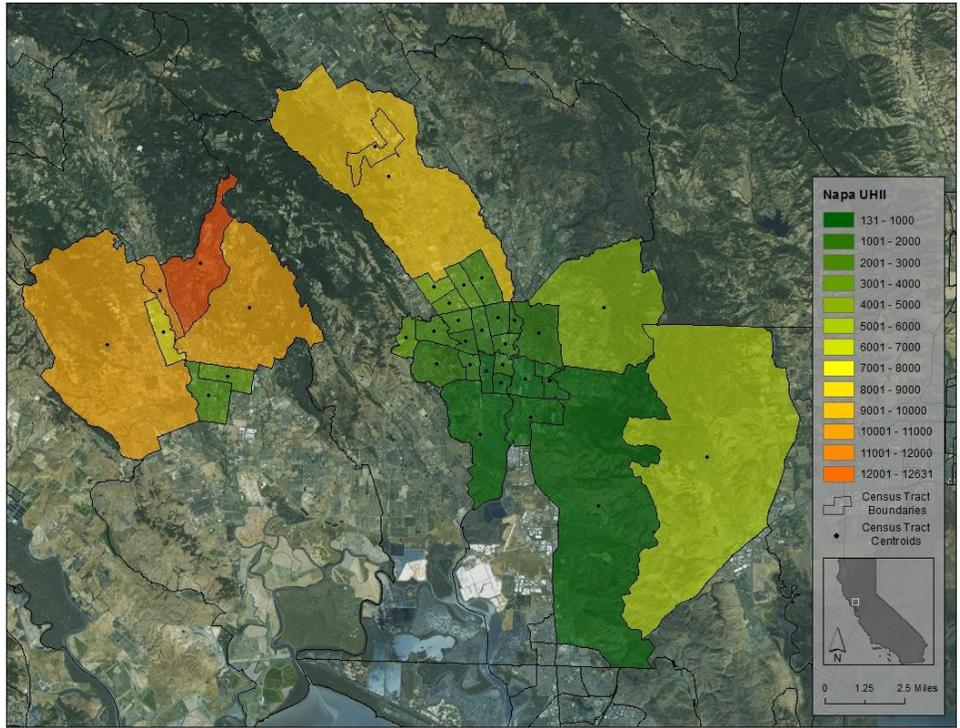


Figure A3: Napa and Sonoma areas UHII (DH/182 days).
 Average temperature difference between warmest and coolest census tracts is 2.8°C.

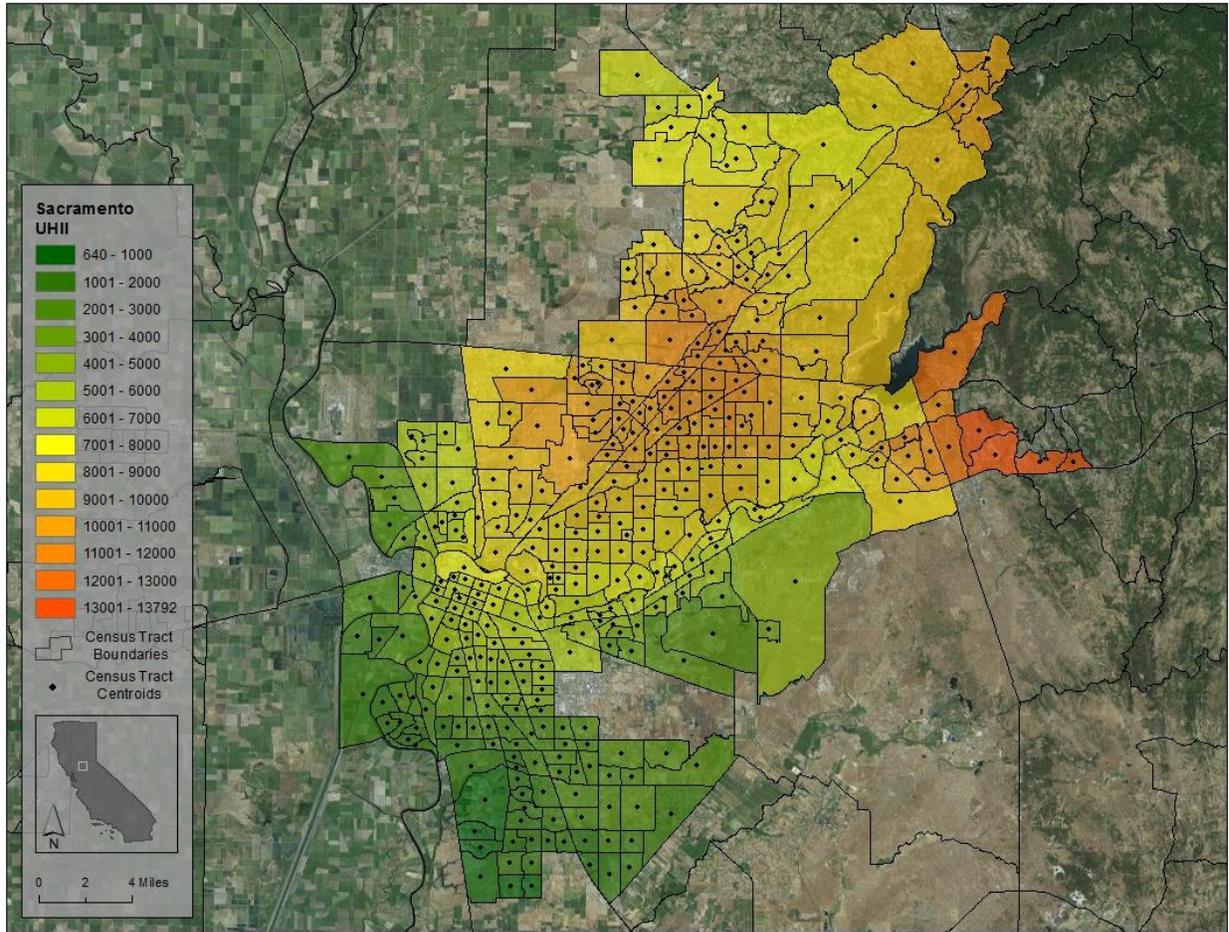


Figure A4: Sacramento and Auburn areas UHI (DH/182 days).
 Average temperature difference between warmest and coolest census tracts is 3.0°C.

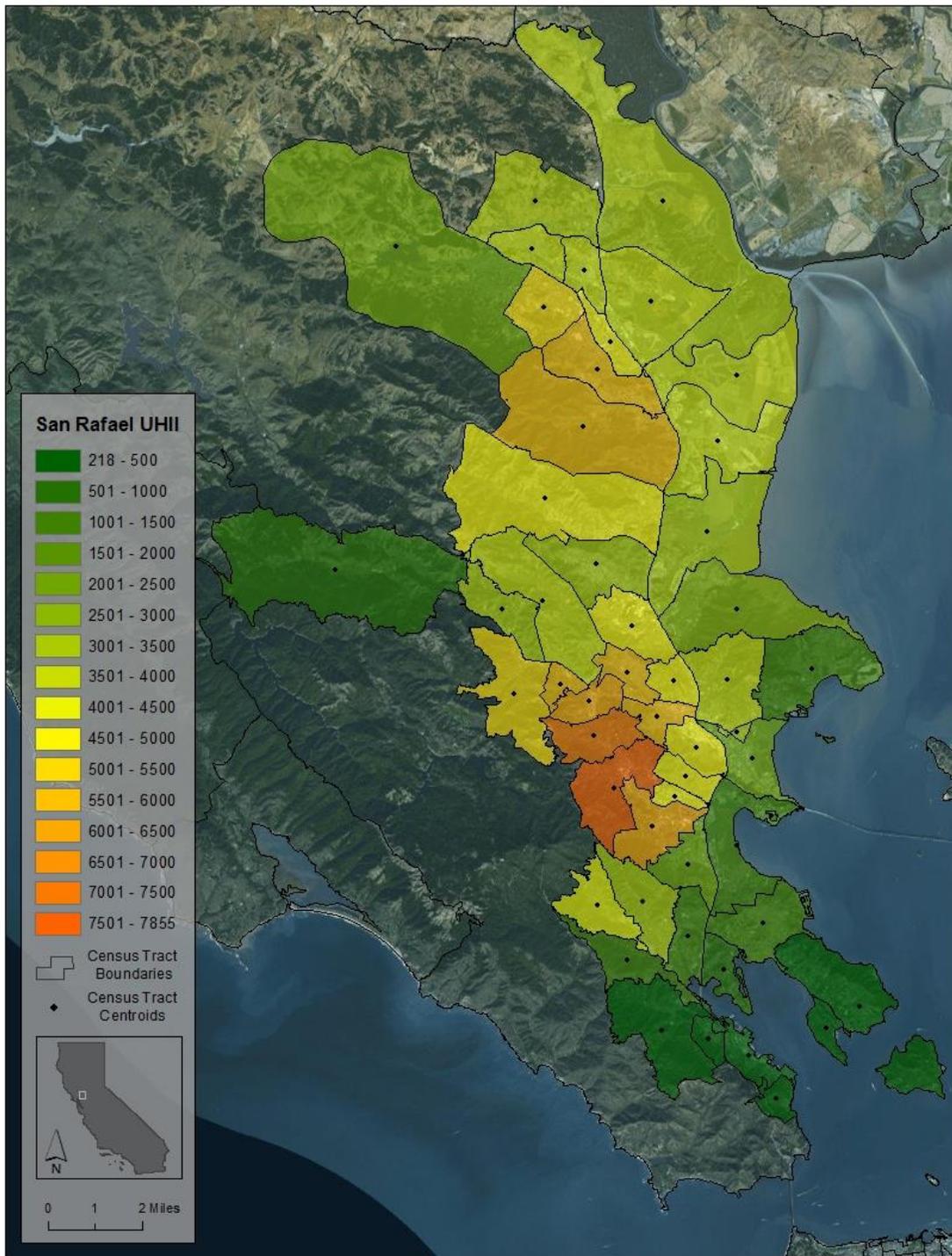


Figure A5: Sausalito, San Rafael, and Novato areas UHII (DH/182 days). Average temperature difference between warmest and coolest census tracts is 1.7°C.

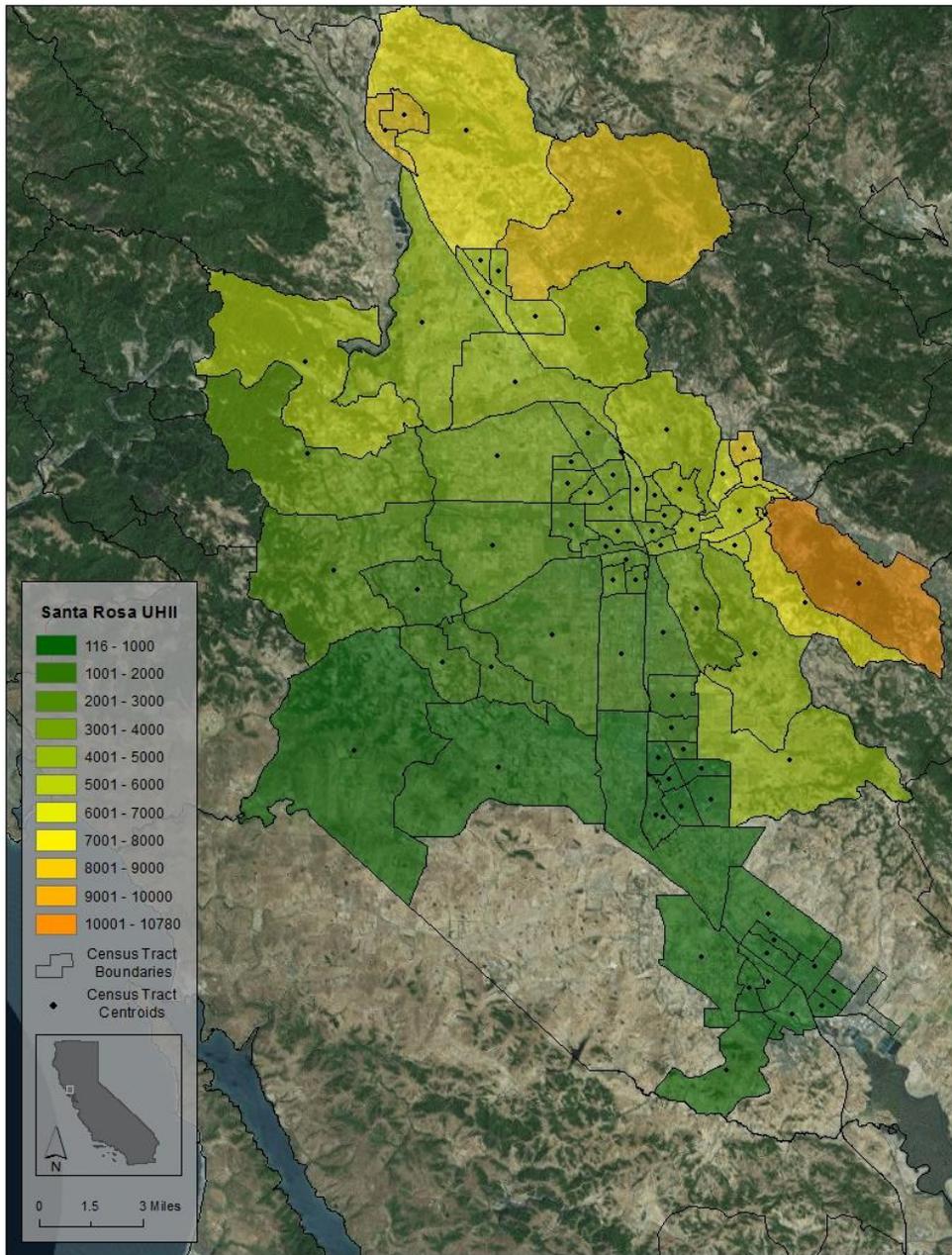


Figure A6: Rohnert Park, Santa Rosa, and Healdsburg areas UHII (DH/182 days). Average temperature difference between warmest and coolest census tracts is 2.4°C.

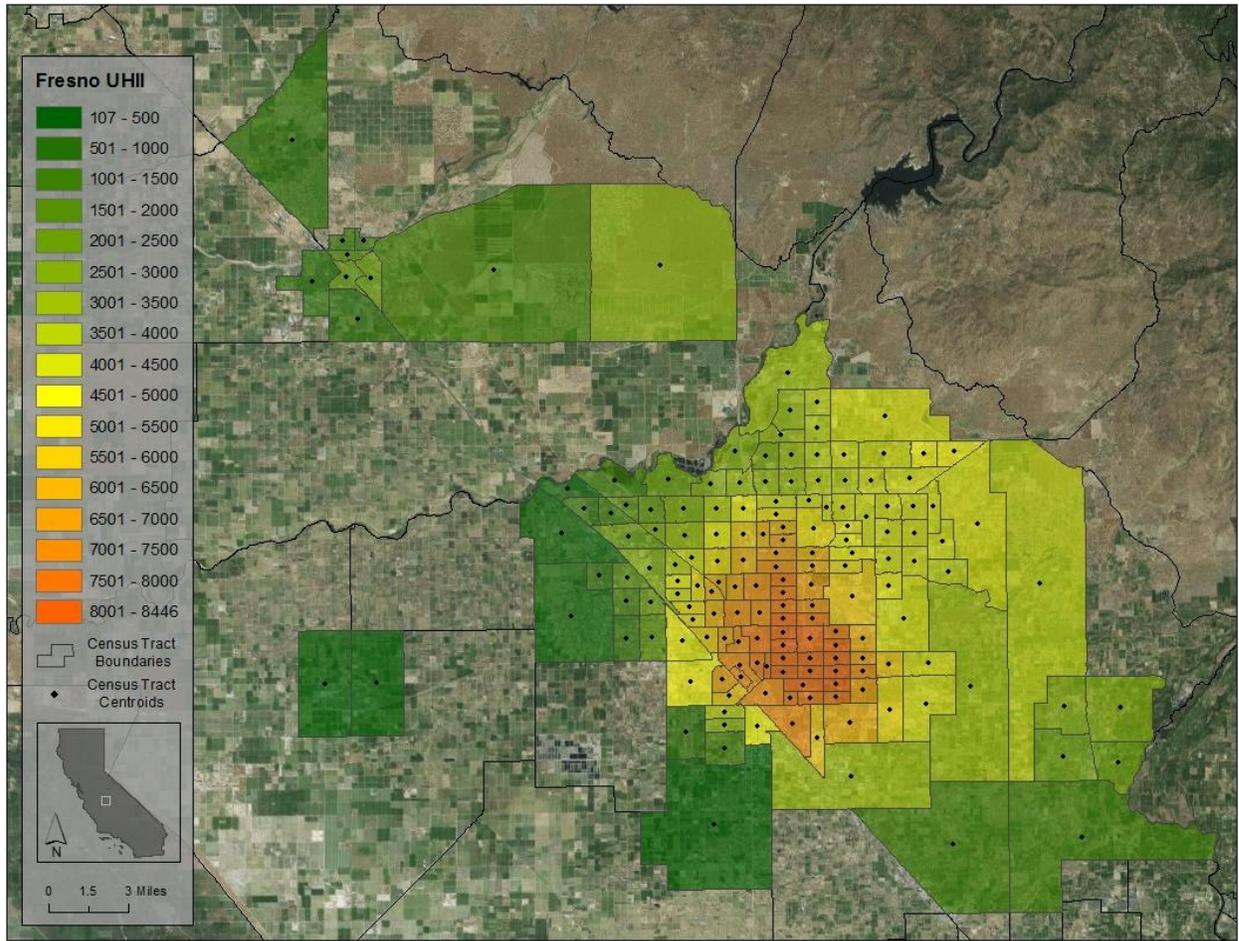


Figure A7: Fresno and Madera areas UHII (DH/182 days).
 Average temperature difference between warmest and coolest census tracts is 1.9°C.

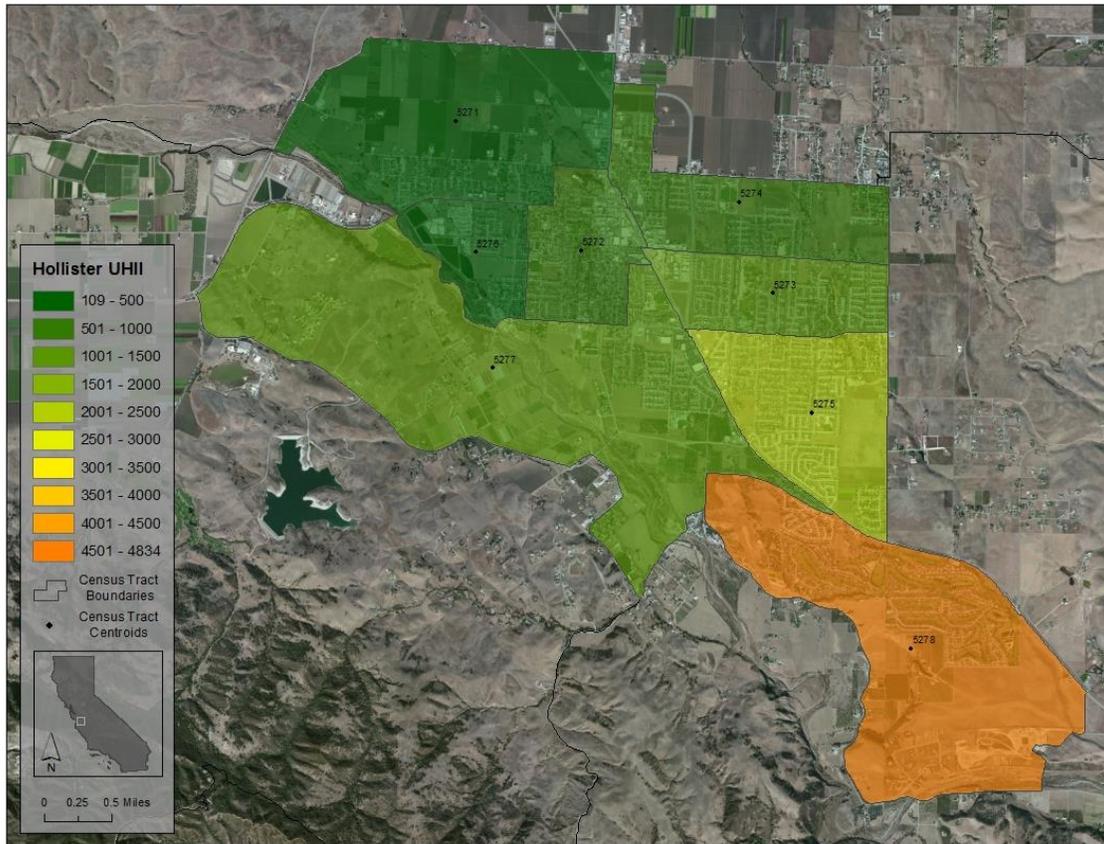


Figure A8: Hollister area UHII (DH/182 days).
Average temperature difference between warmest and coolest census tracts is 1.1°C.

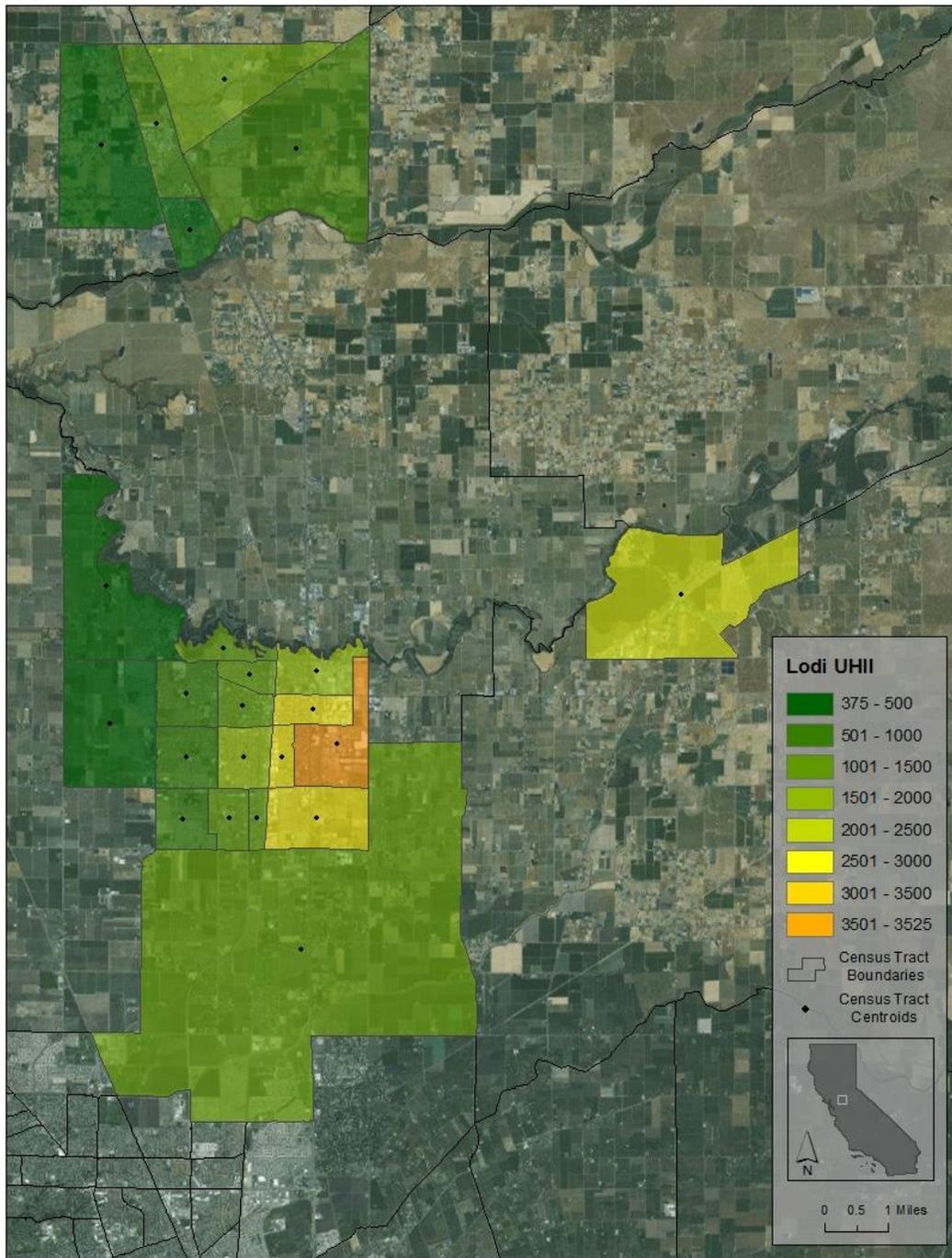


Figure A9: Lodi area UHII (DH/182 days).
 Average temperature difference between warmest and coolest census tracts is 0.7°C.

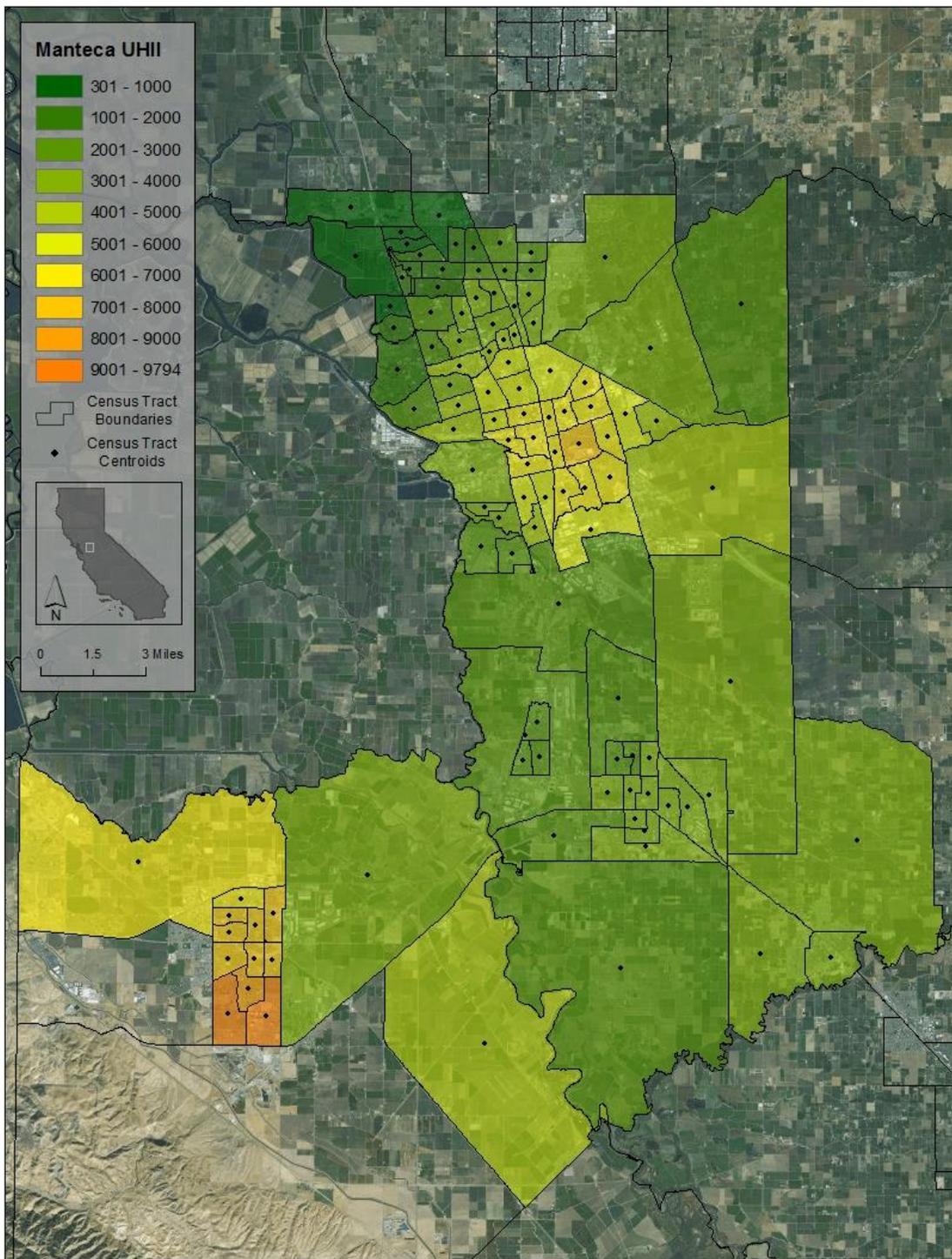


Figure A10: Stockton, Manteca, and Tracy areas UHII (DH/182 days). Average temperature difference between warmest and coolest census tracts is 2.2°C.

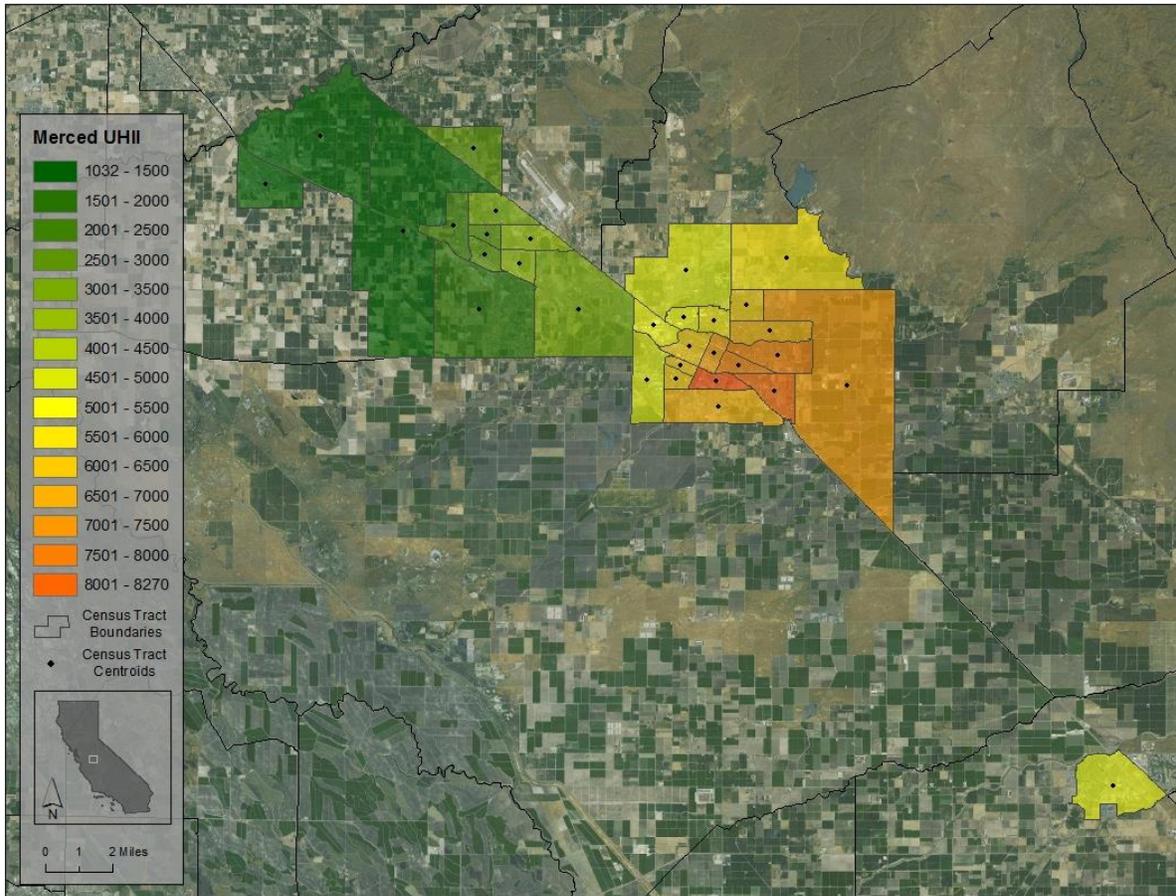


Figure A11: Merced area UHII (DH/182 days).
Average temperature difference between warmest and coolest census tracts is 1.7°C.

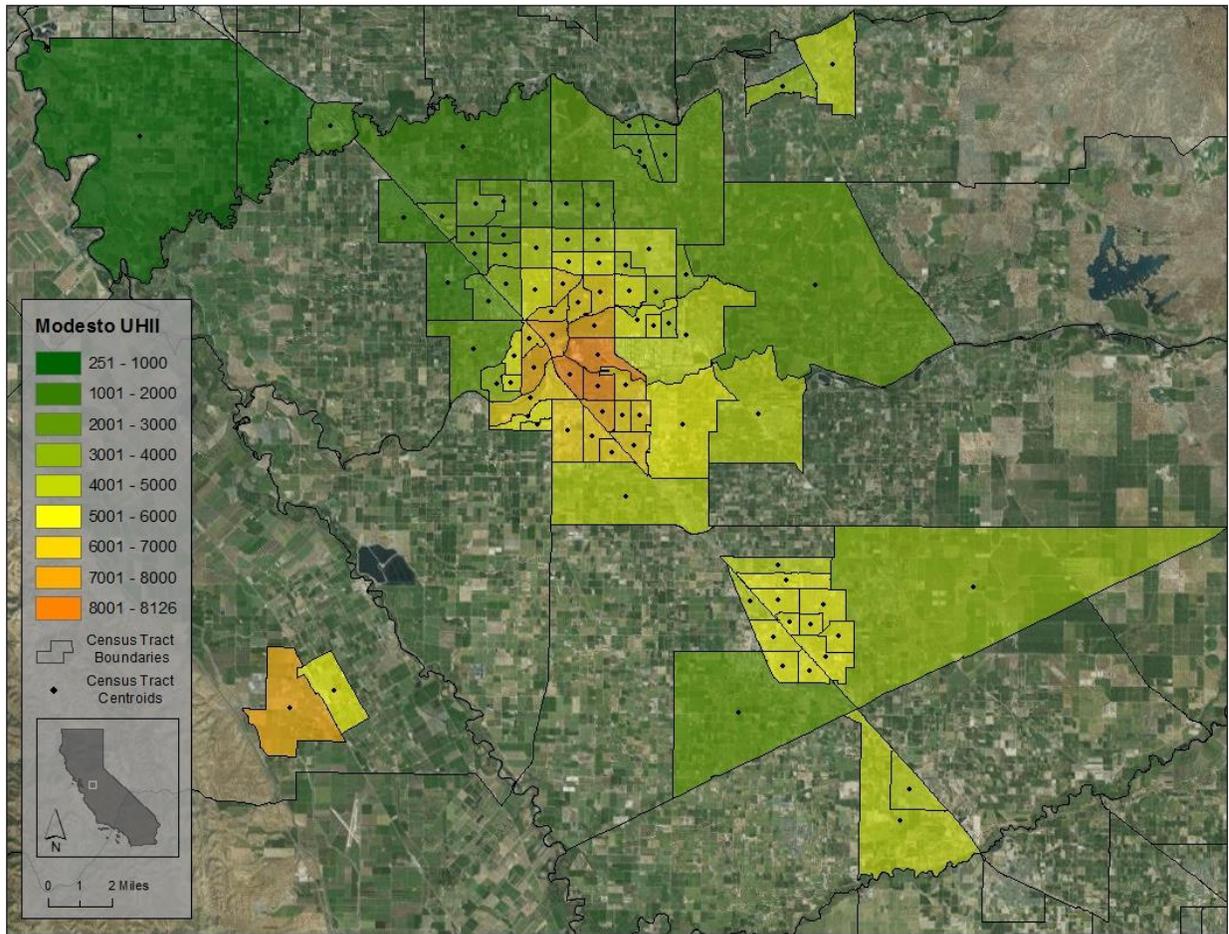


Figure A12: Modesto, Turlock, and Patterson areas UHII (DH/182 days). Average temperature difference between warmest and coolest census tracts is 1.8°C.

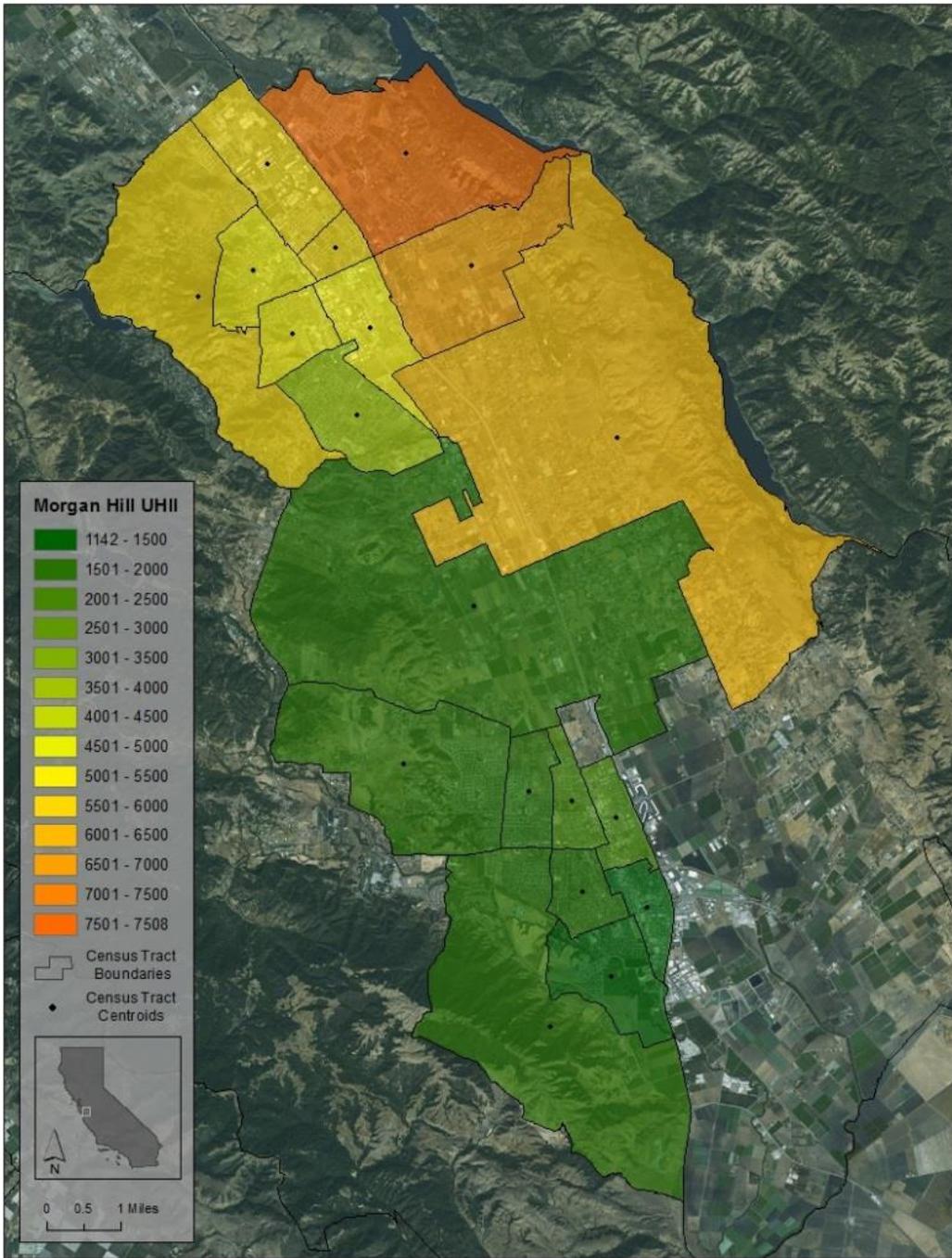


Figure A13: Morgan Hill and Gilroy areas UHII (DH/182 days).
 Average temperature difference between warmest and coolest census tracts is 1.5°C.

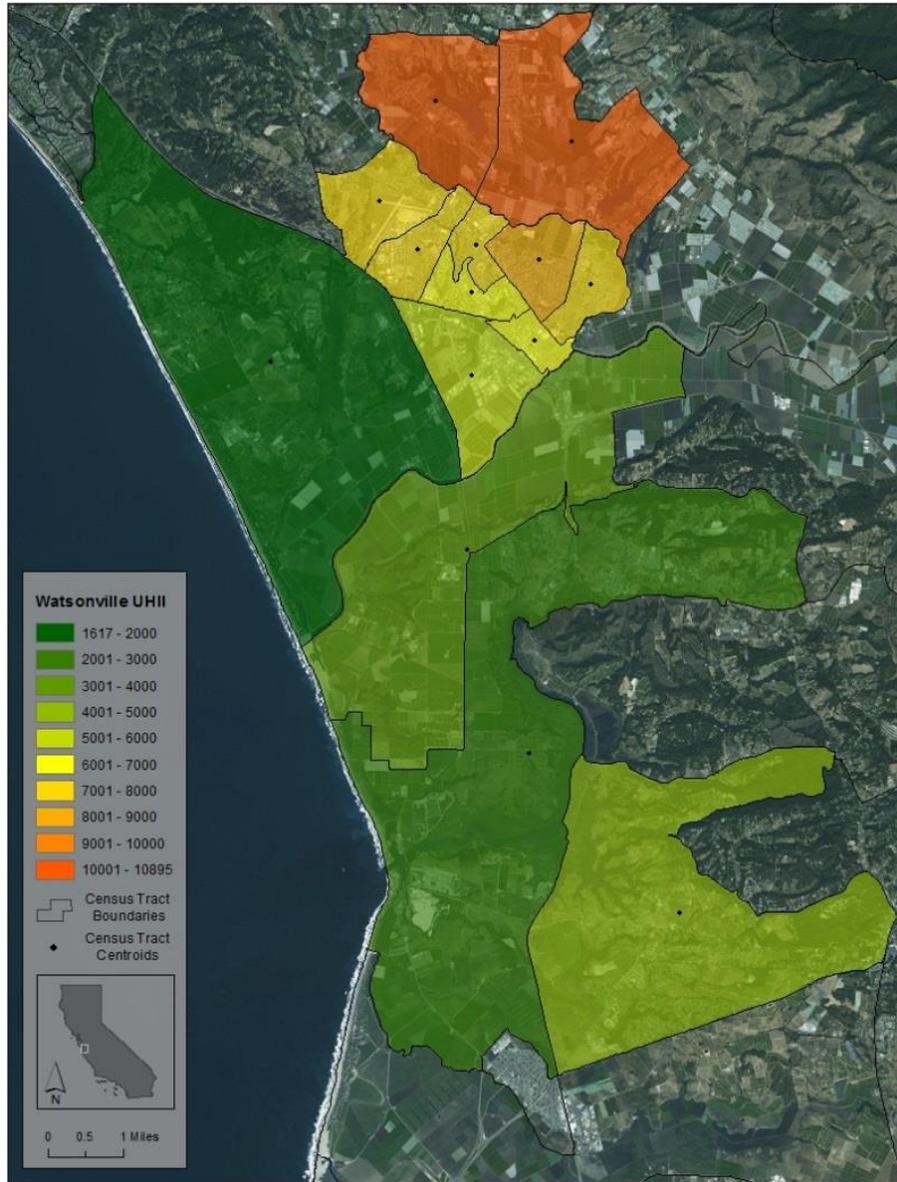


Figure A14: Watsonville and Moss Landing areas UHII (DH/182 days). Average temperature difference between warmest and coolest census tracts is 2.1°C.

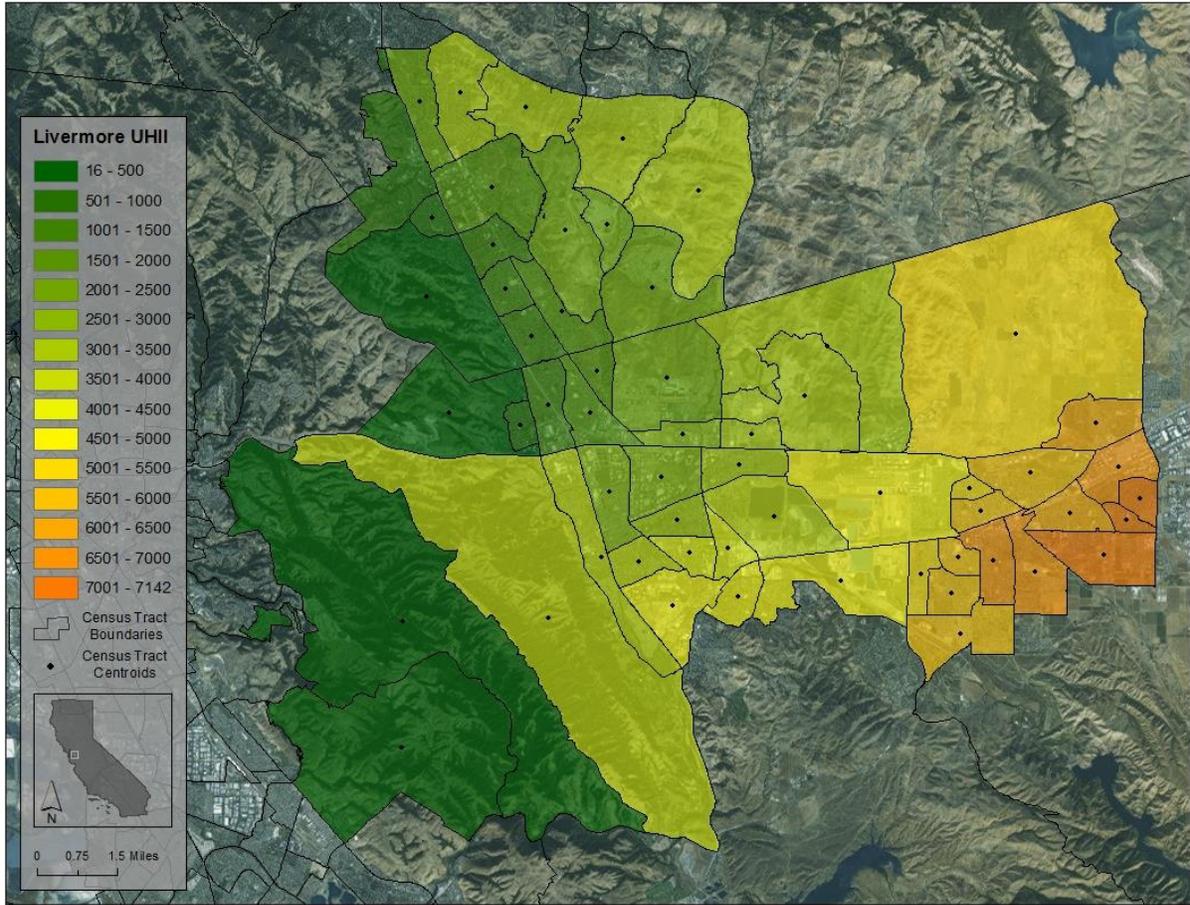


Figure A15: San Ramon, Dublin, and Livermore areas UHI (DH/182 days). Average temperature difference between warmest and coolest census tracts is 1.6°C.

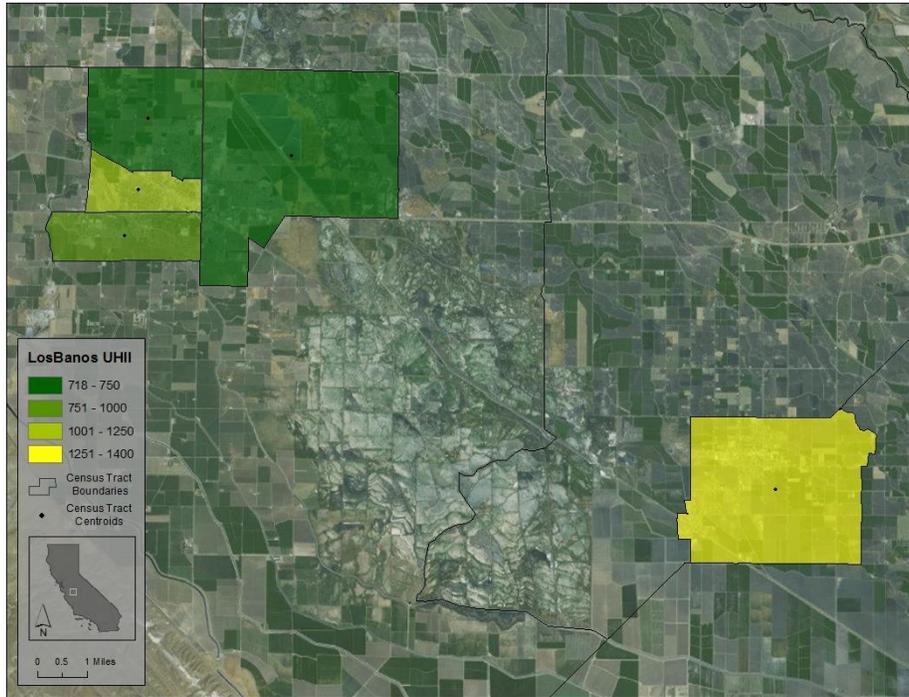


Figure A16: Los Banos and Dos Palos UHII (DH/182 days).
Average temperature difference between warmest and coolest census tracts is 0.2°C.

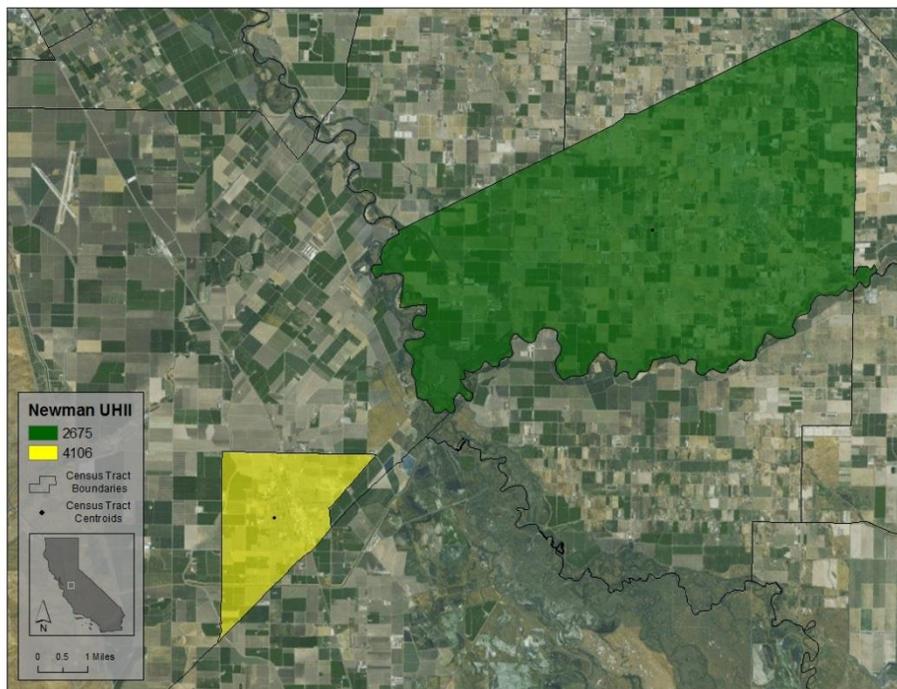


Figure A17: Newman and Hilmar areas UHII (DH/182 days).
Average temperature difference between warmest and coolest census tracts is 0.3°C.

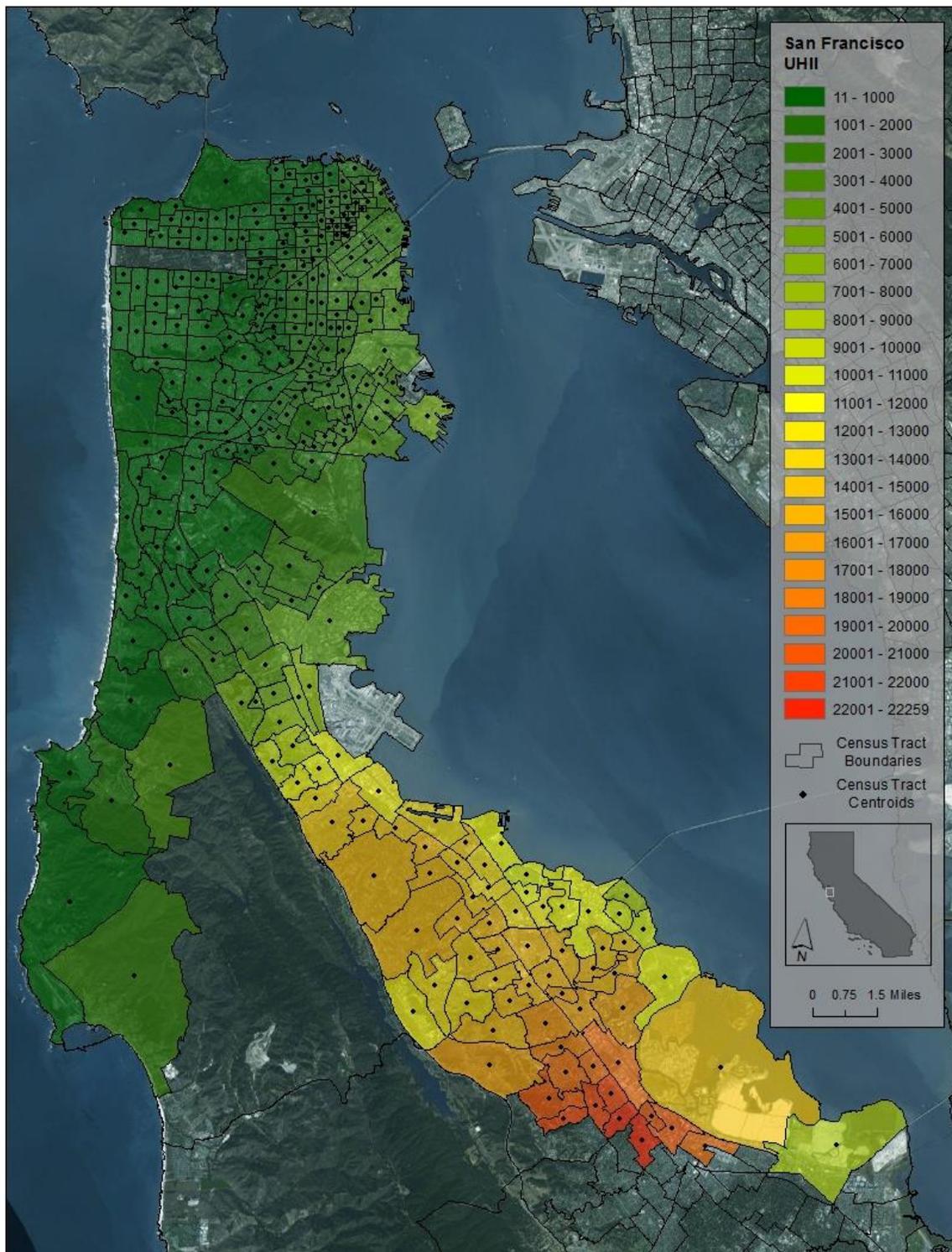


Figure A18: San Francisco peninsula UHII (DH/182 days).
 Average temperature difference between warmest and coolest census tracts is 5.0°C.

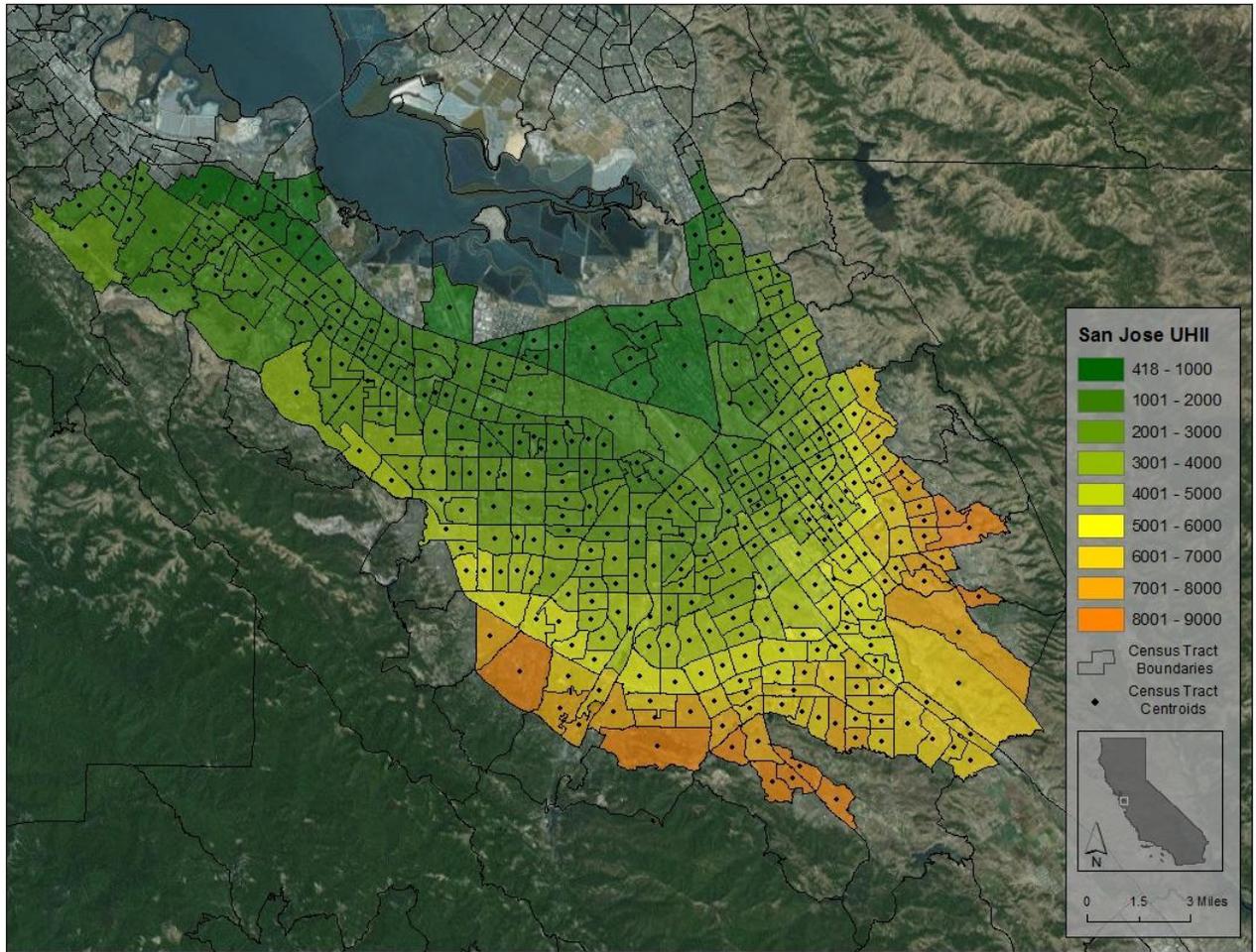


Figure A19: San Jose and South Bay areas UHII (DH/182 days).
 Average temperature difference between warmest and coolest census tracts is 2.0°C.

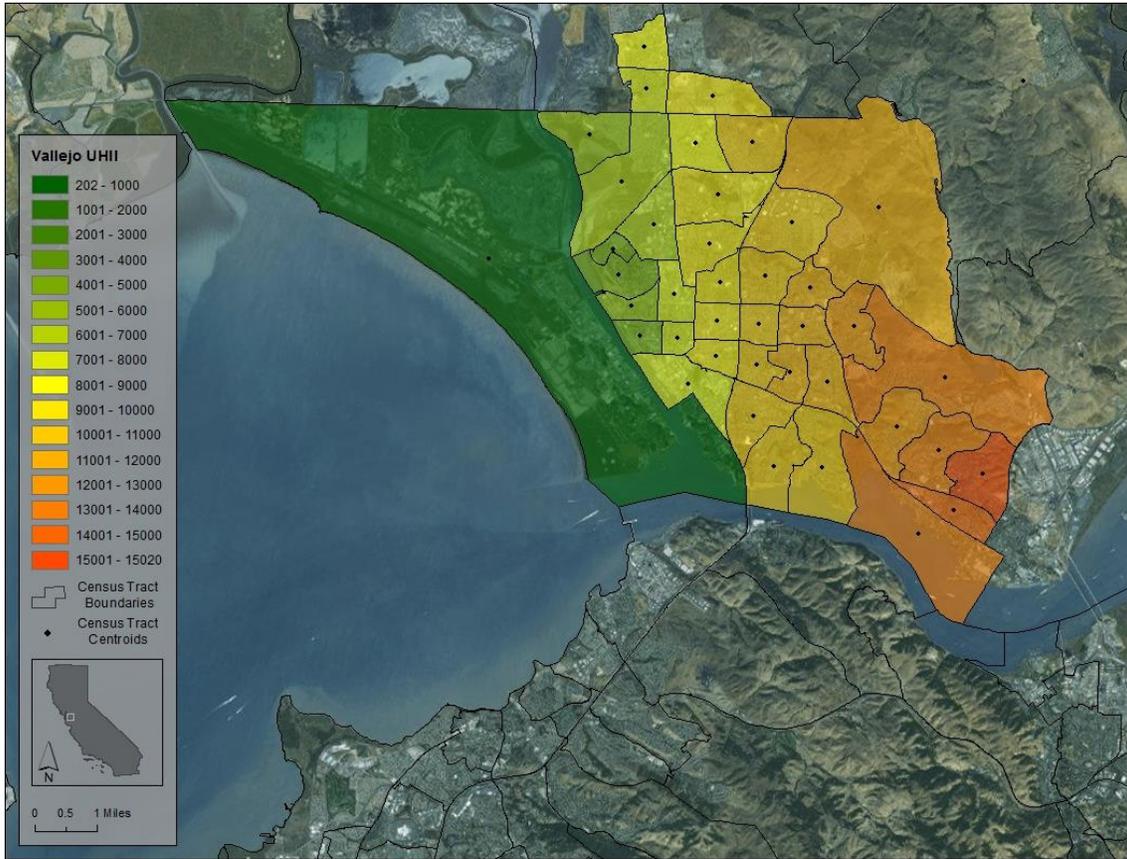


Figure A20: Vallejo area UHII (DH/182 days).
 Average temperature difference between warmest and coolest census tracts is 3.4°C.

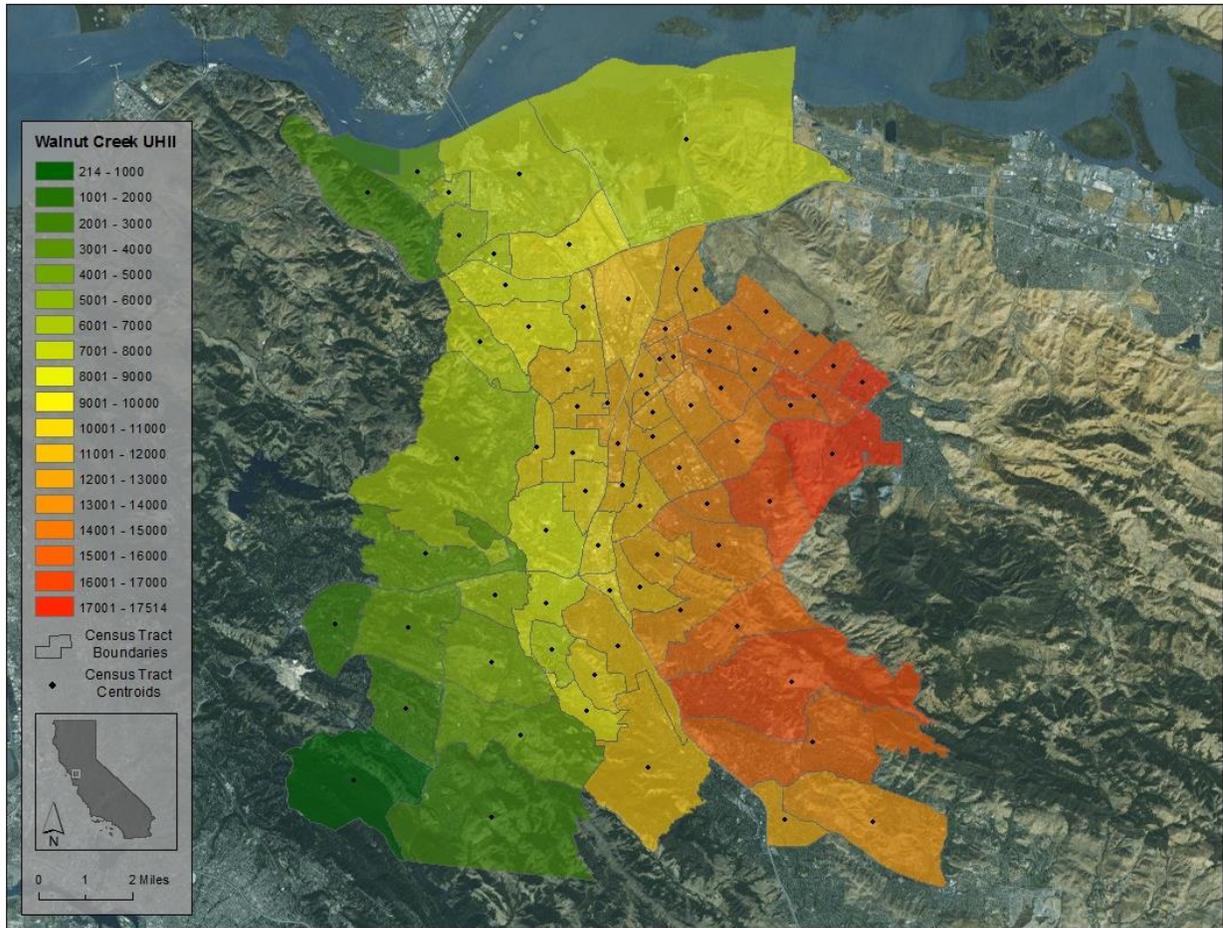


Figure A21: Martinez, Concord, Pleasant Hill, and Walnut Creek areas UHII (DH/182 days). Average temperature difference between warmest and coolest census tracts is 3.9°C.

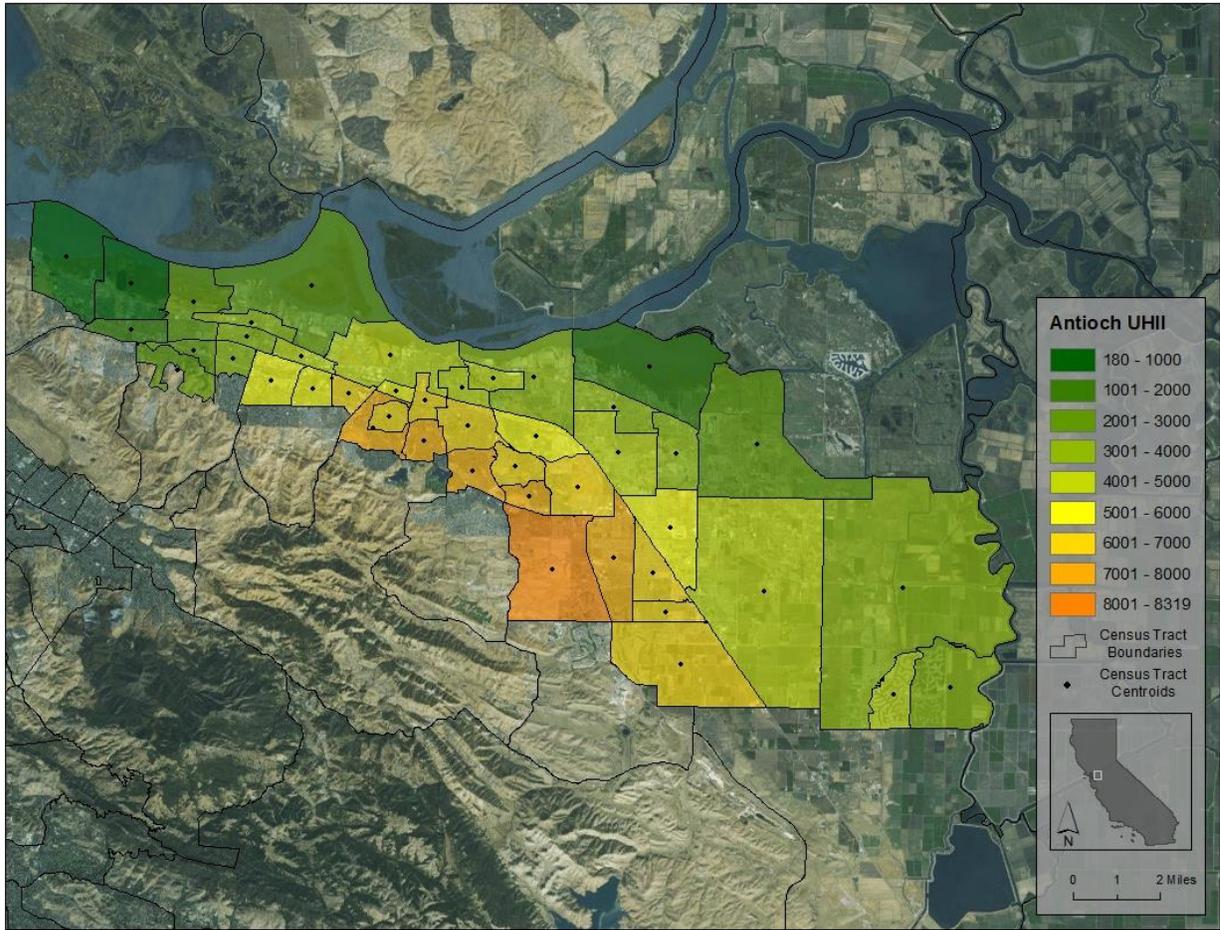


Figure A22: Antioch area UHI (DH/182 days).
 Average temperature difference between warmest and coolest census tracts is 1.9°C.

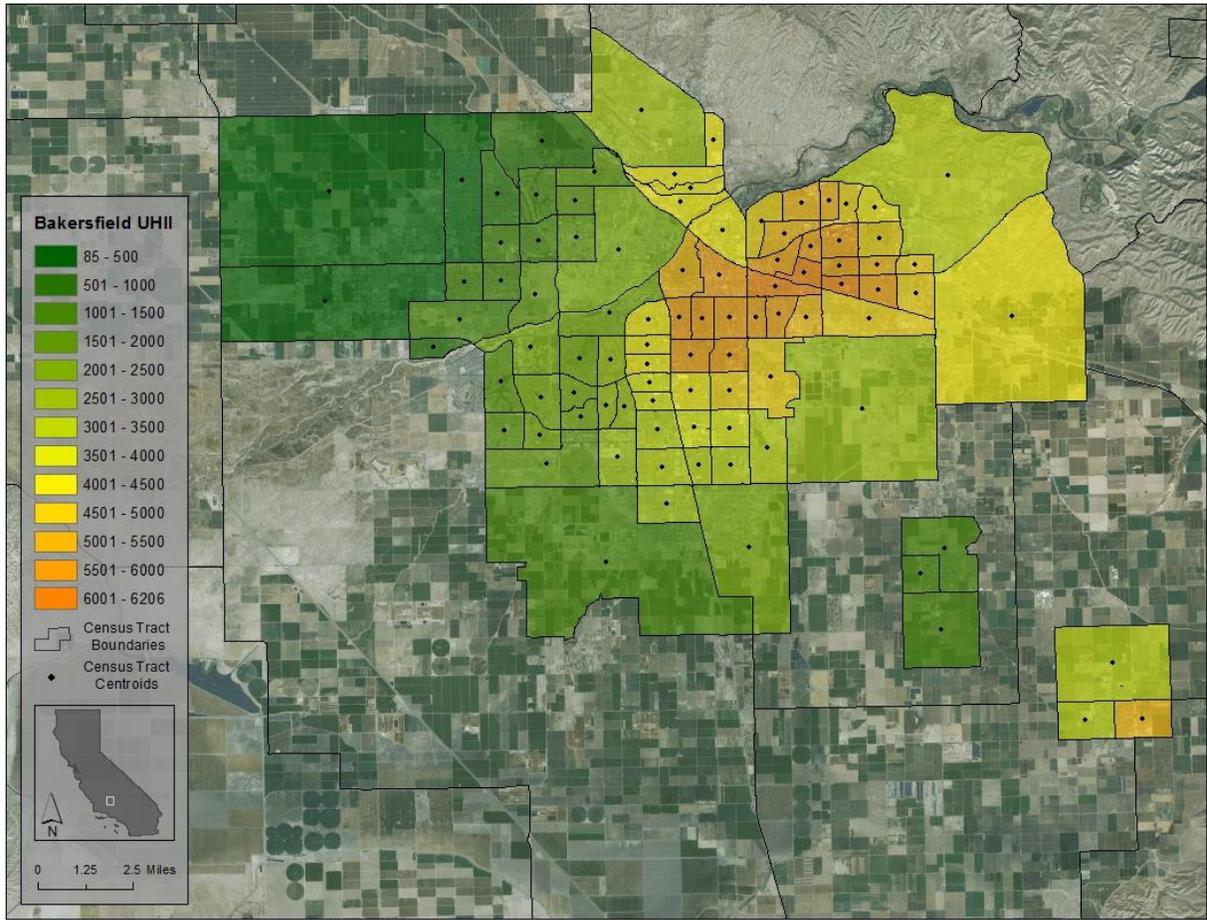


Figure A23: Bakersfield area UHII (DH/182 days).
 Average temperature difference between warmest and coolest census tracts is 1.4°C.

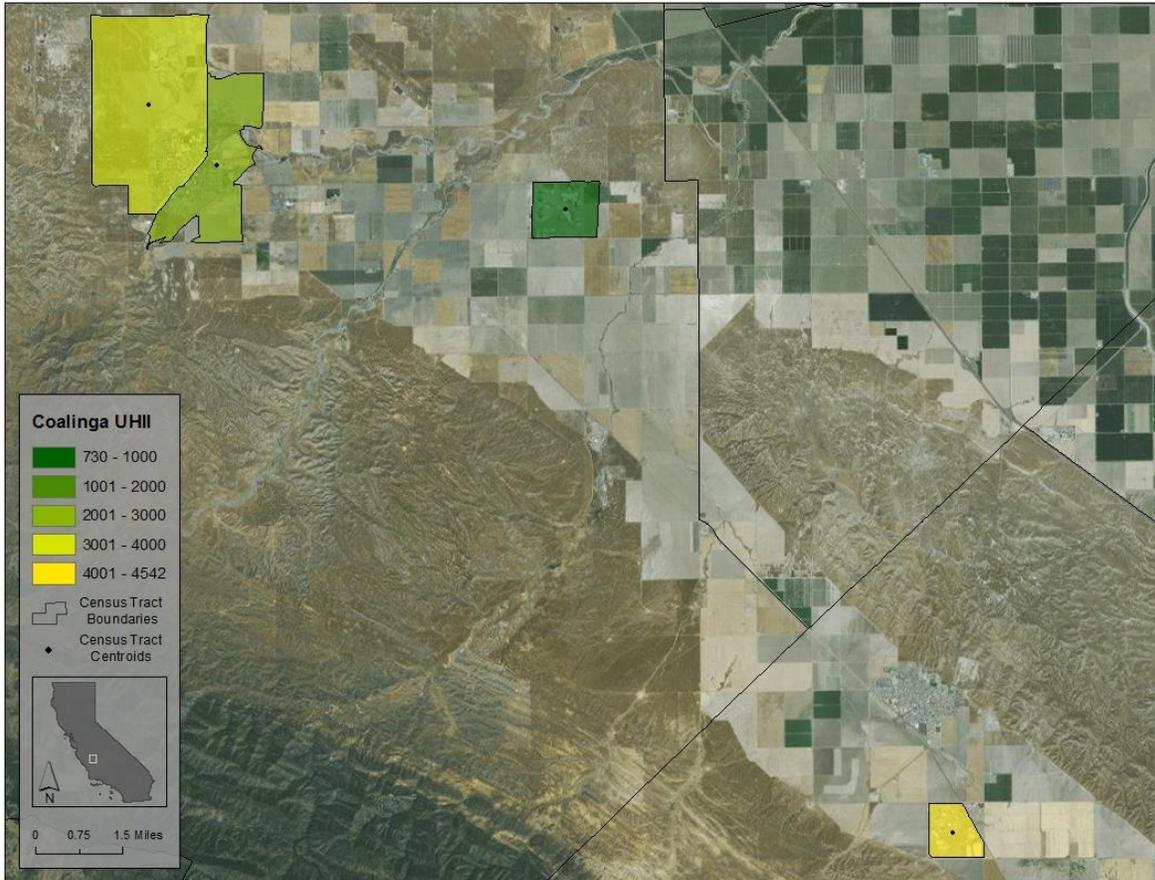


Figure A24: Coalinga and Avenal areas UHI (DH/182 days).
 Average temperature difference between warmest and coolest census tracts is 0.9°C.

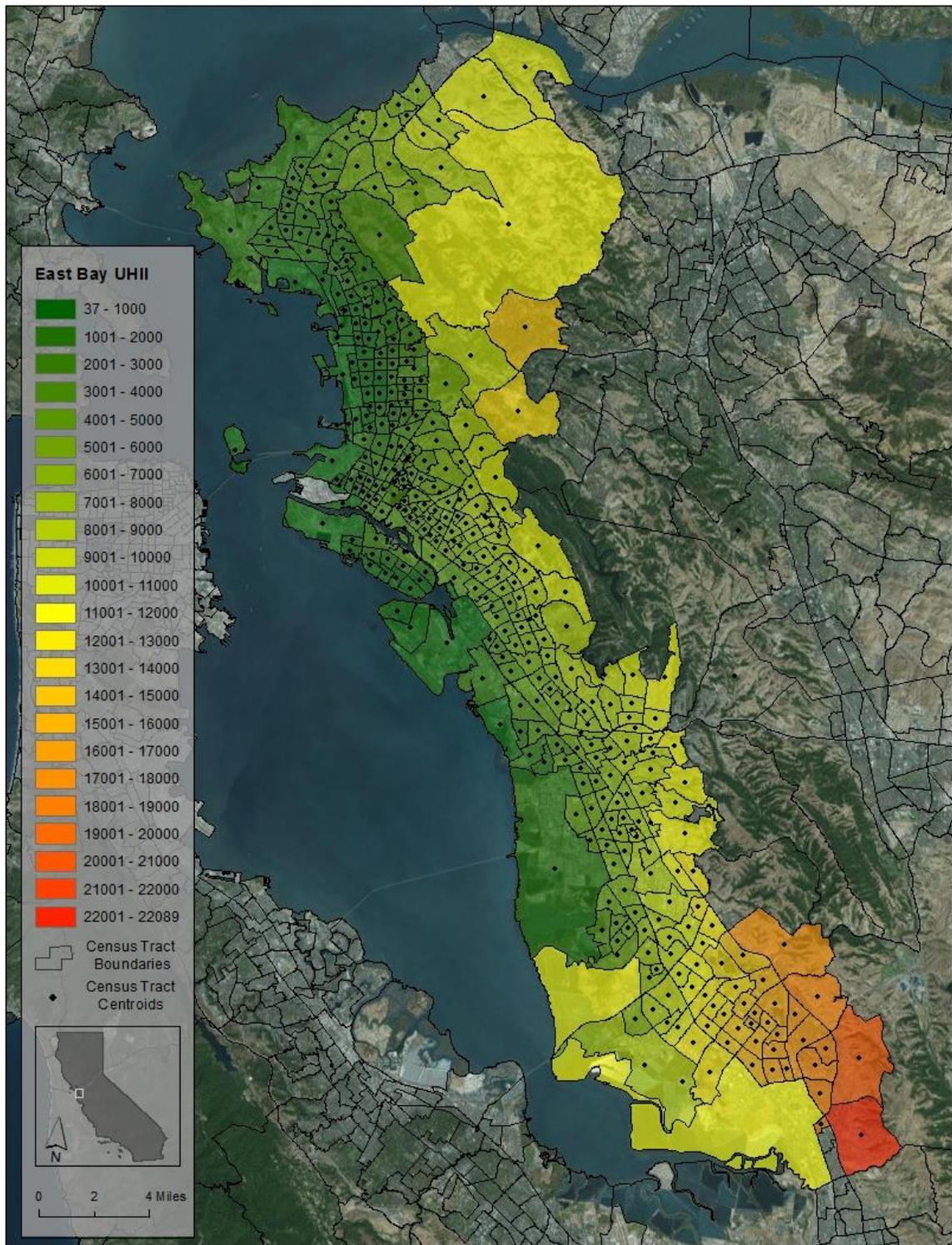


Figure A25: East Bay area UHII (DH/182 days).
 Average temperature difference between warmest and coolest census tracts is 5.0°C.

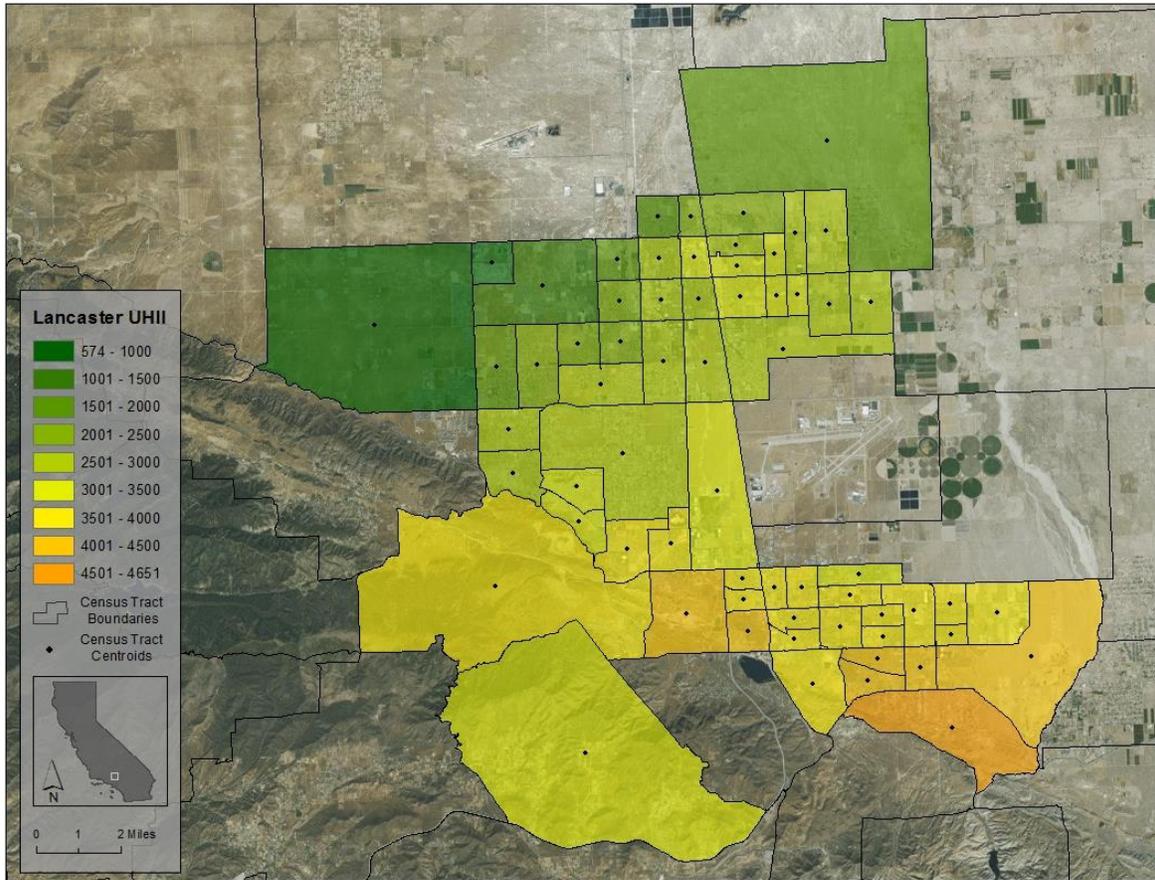


Figure A26: Lancaster and Palmdale areas UHII (DH/182 days).
 Average temperature difference between warmest and coolest census tracts is 0.9°C.

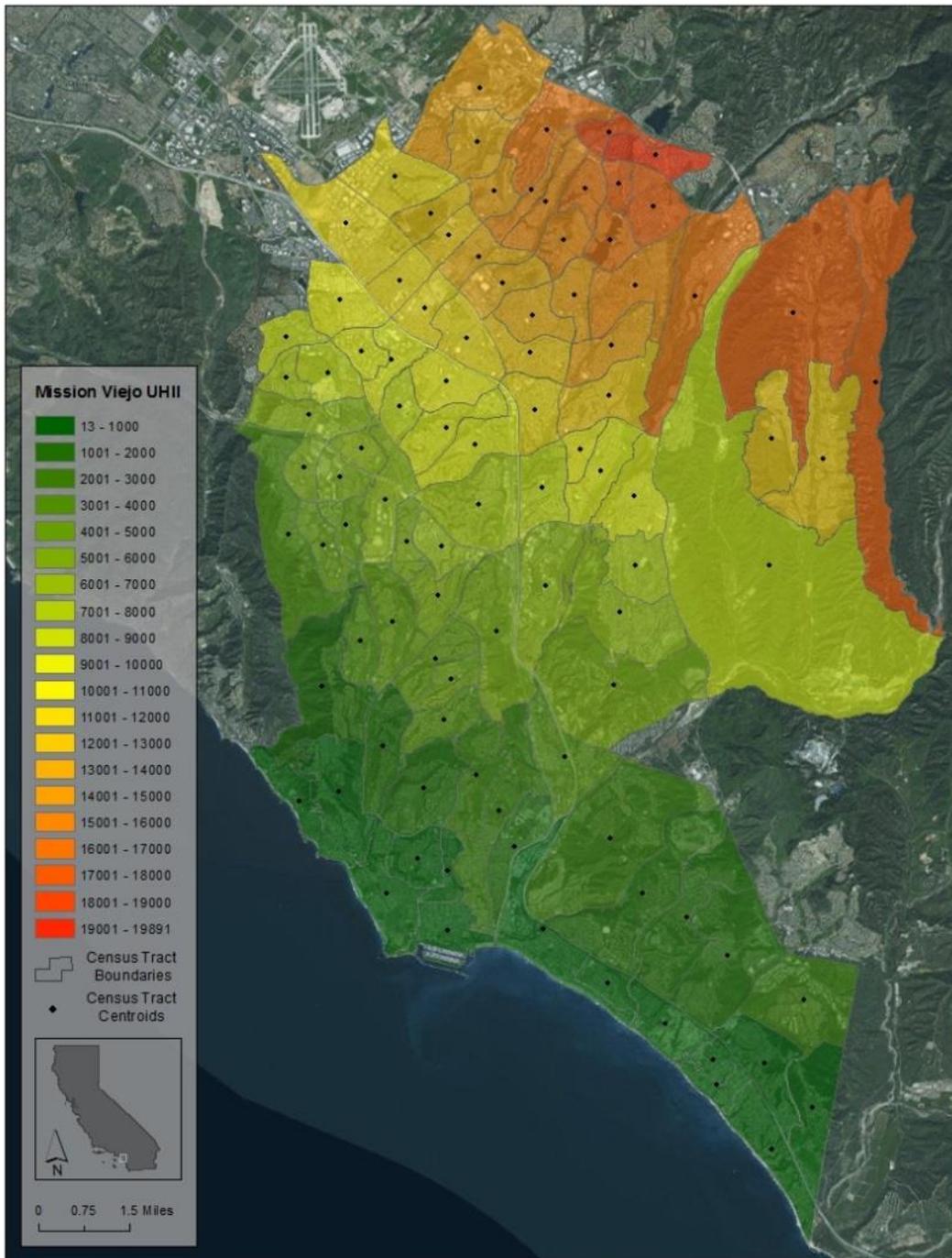


Figure A27: Mission Viejo area UHI (DH/182 days).
 Average temperature difference between warmest and coolest census tracts is 4.6°C.

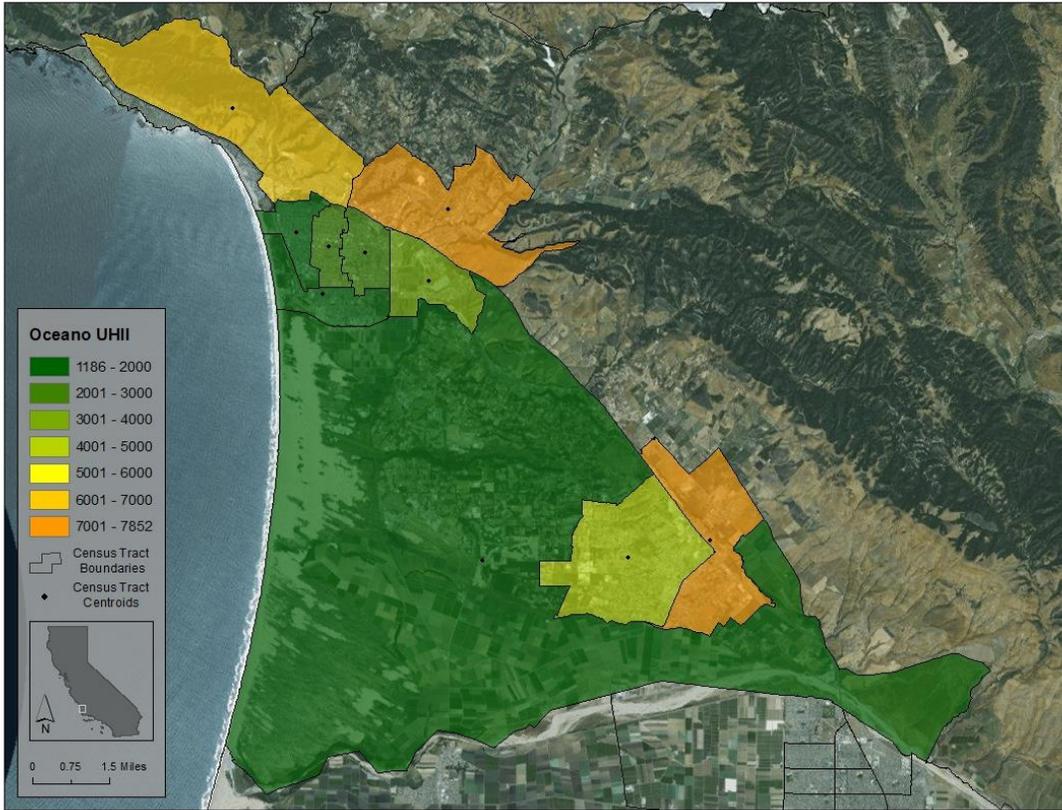


Figure A28: Pismo Beach and Oceano areas UHI (DH/182 days).
 Average temperature difference between warmest and coolest census tracts is 1.5°C.

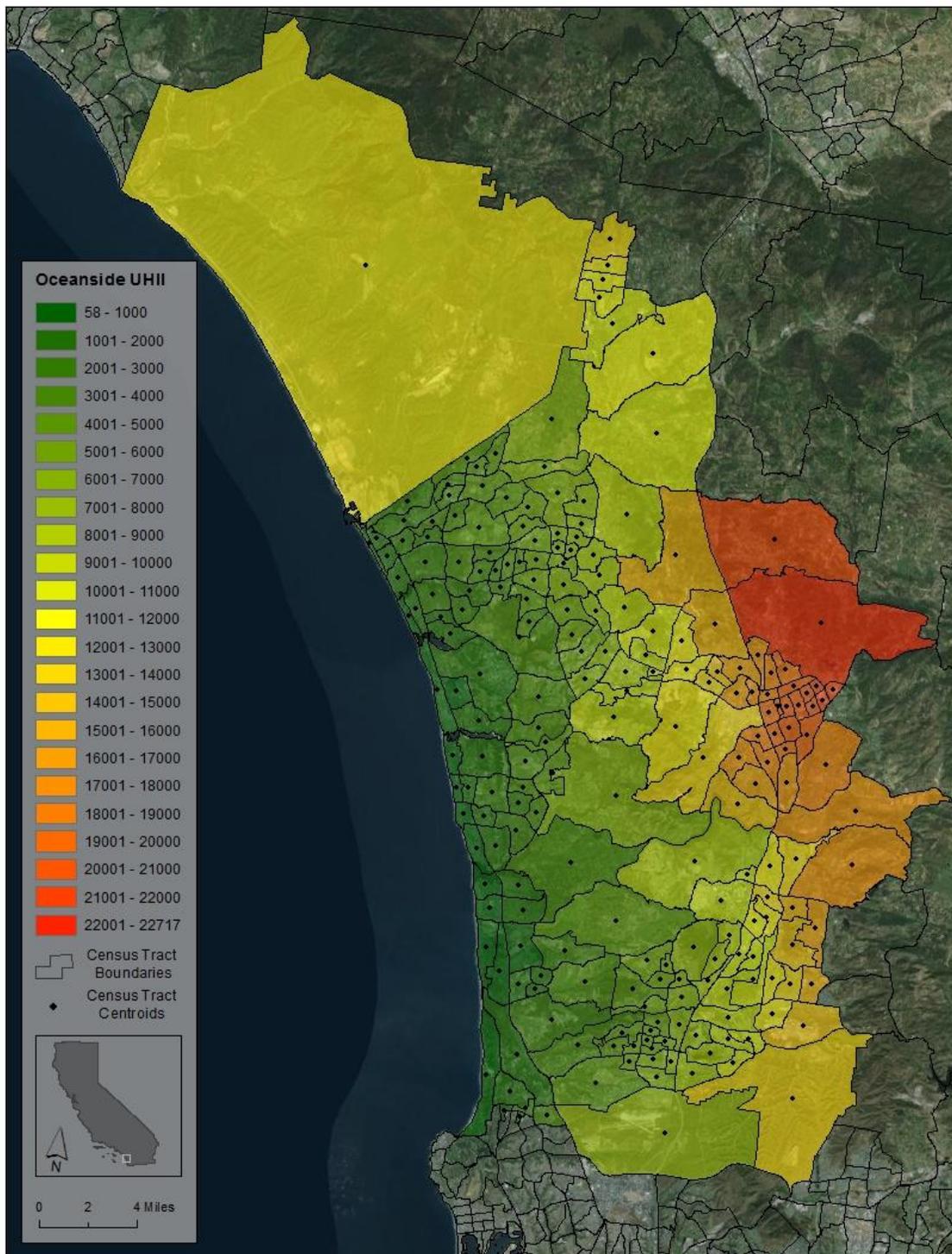


Figure A29: Oceanside area UHII (DH/182 days).
 Average temperature difference between warmest and coolest census tracts is 5.2°C.

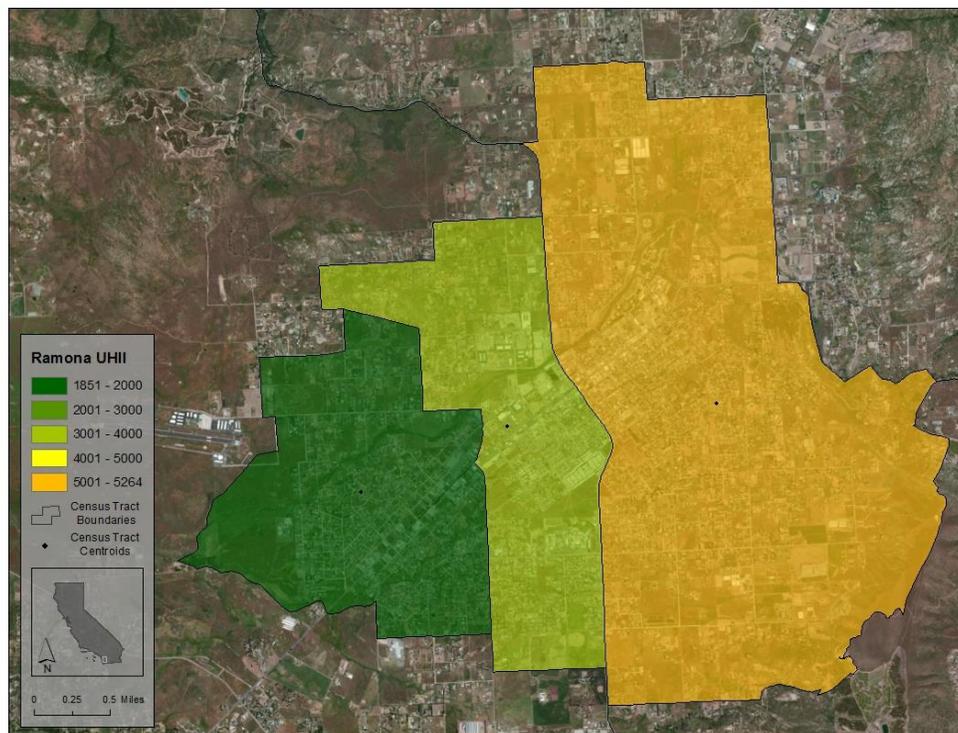


Figure A30: Ramona area UHII (DH/182 days).
Average temperature difference between warmest and coolest census tracts is 0.8°C.

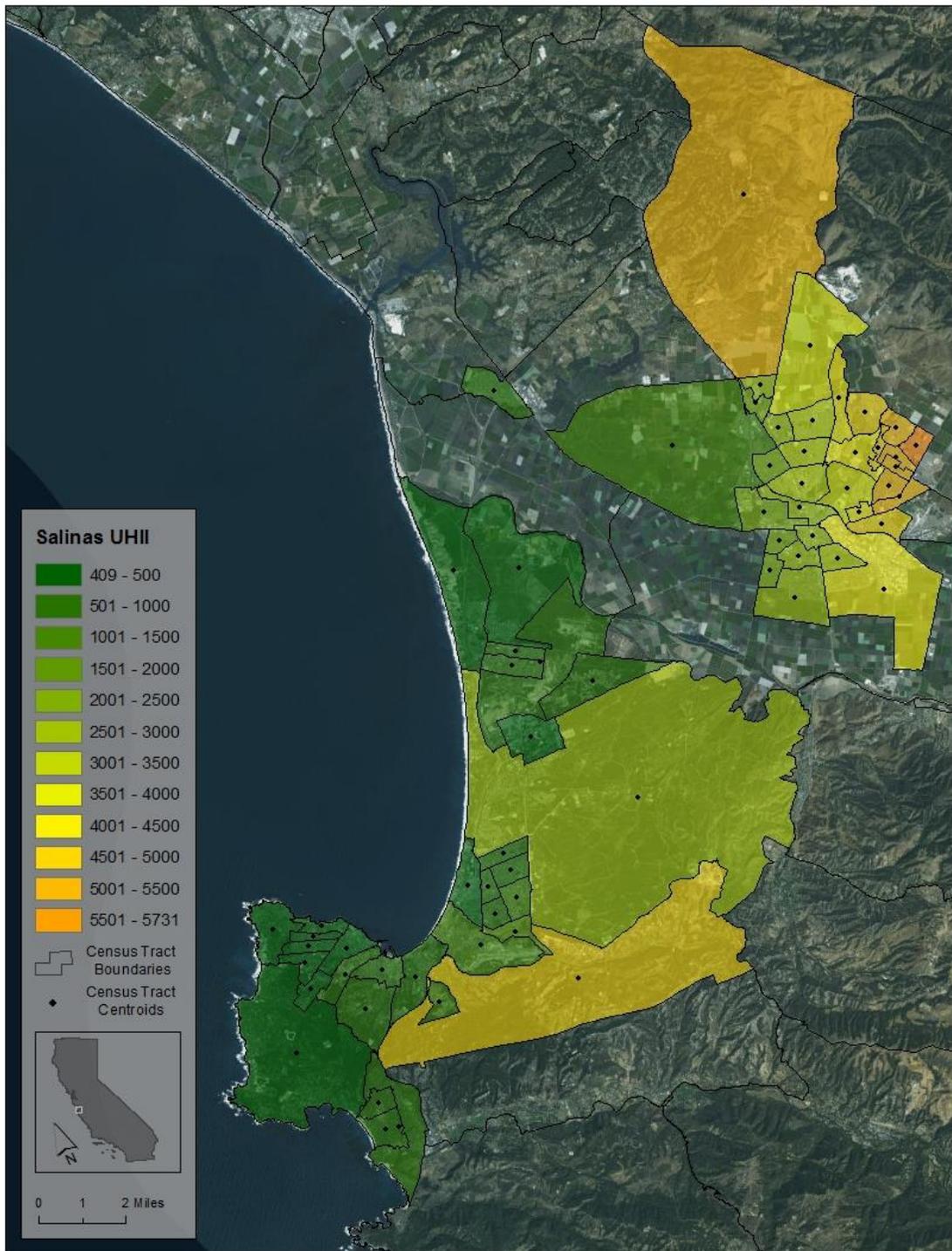


Figure A31: Monterey, Salinas, and Castroville areas UHII (DH/182 days). Average temperature difference between warmest and coolest census tracts is 1.2°C.

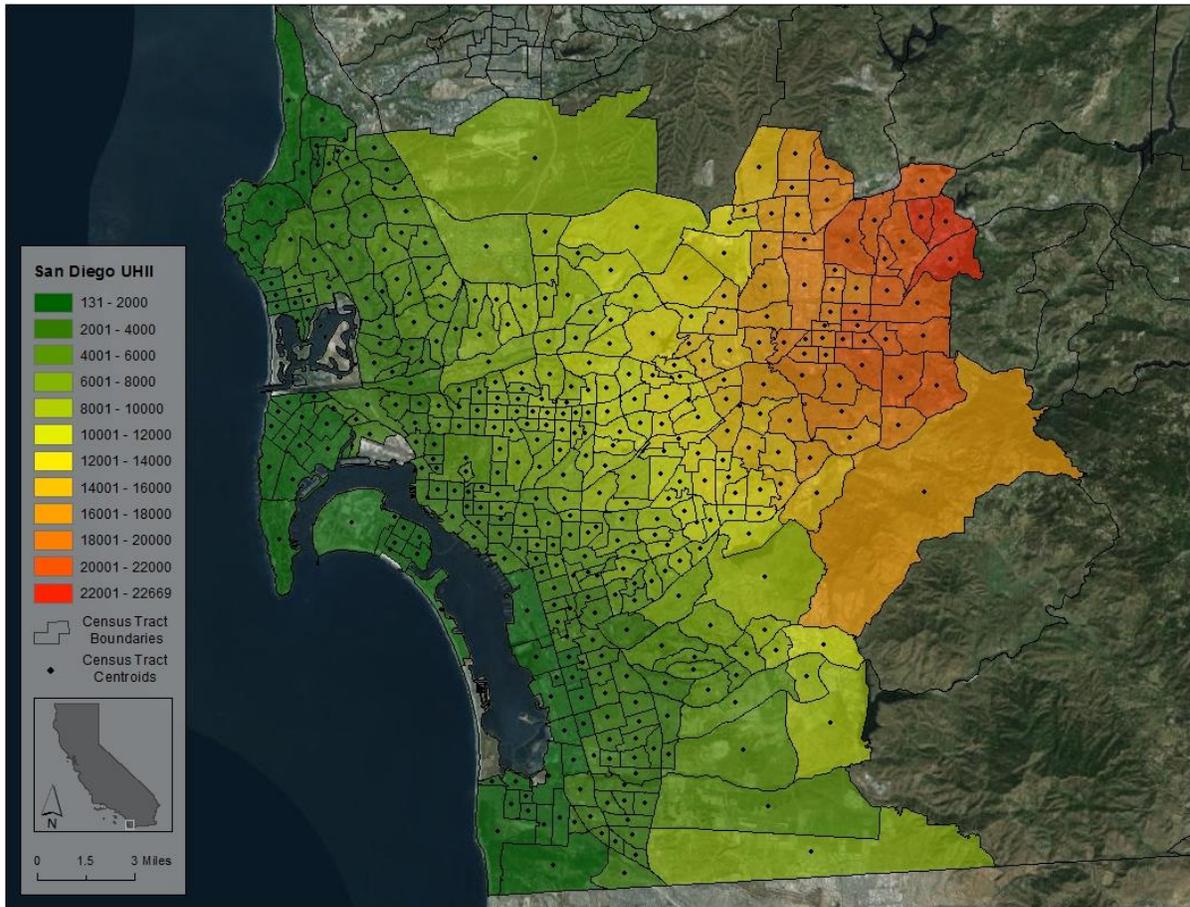


Figure A32: San Diego area UHII (DH/182 days).
 Average temperature difference between warmest and coolest census tracts is 5.1°C.

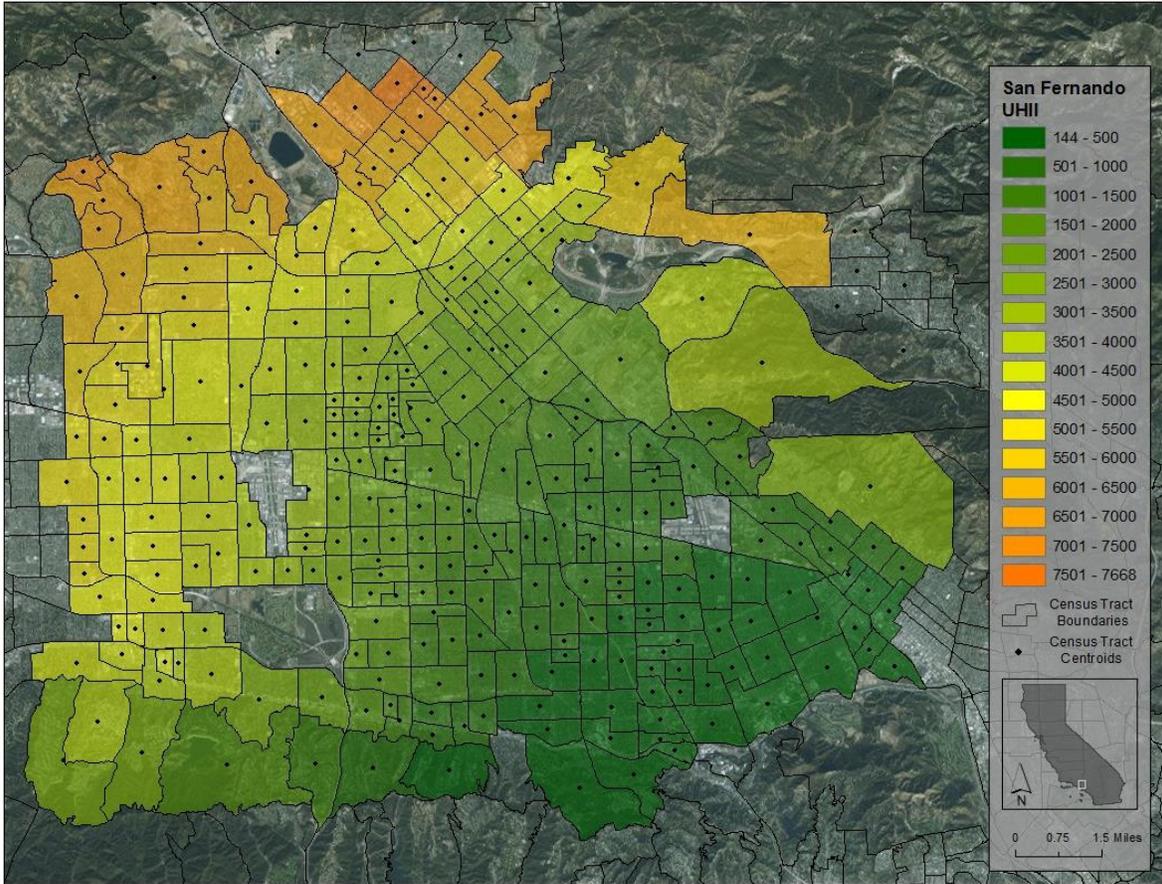


Figure A33: San Fernando Valley UHI (DH/182 days).
Average temperature difference between warmest and coolest census tracts is 1.7°C.

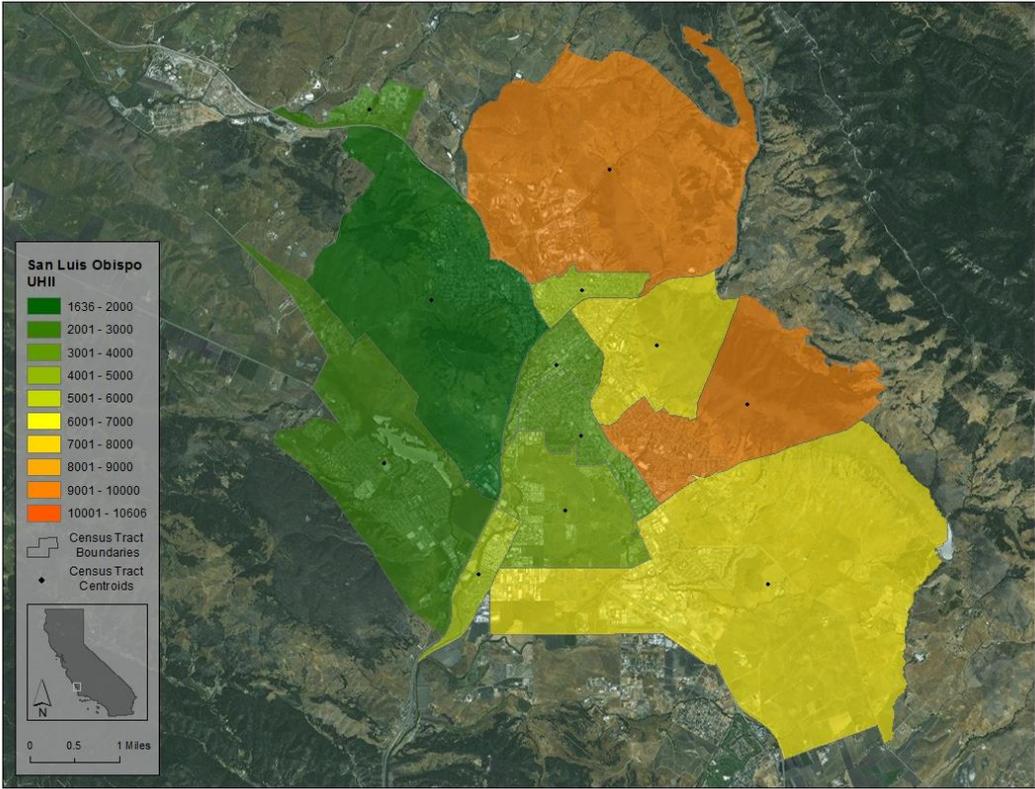


Figure A34: San Luis Obispo area UHII (DH/182 days).
Average temperature difference between warmest and coolest census tracts is 2.0°C.

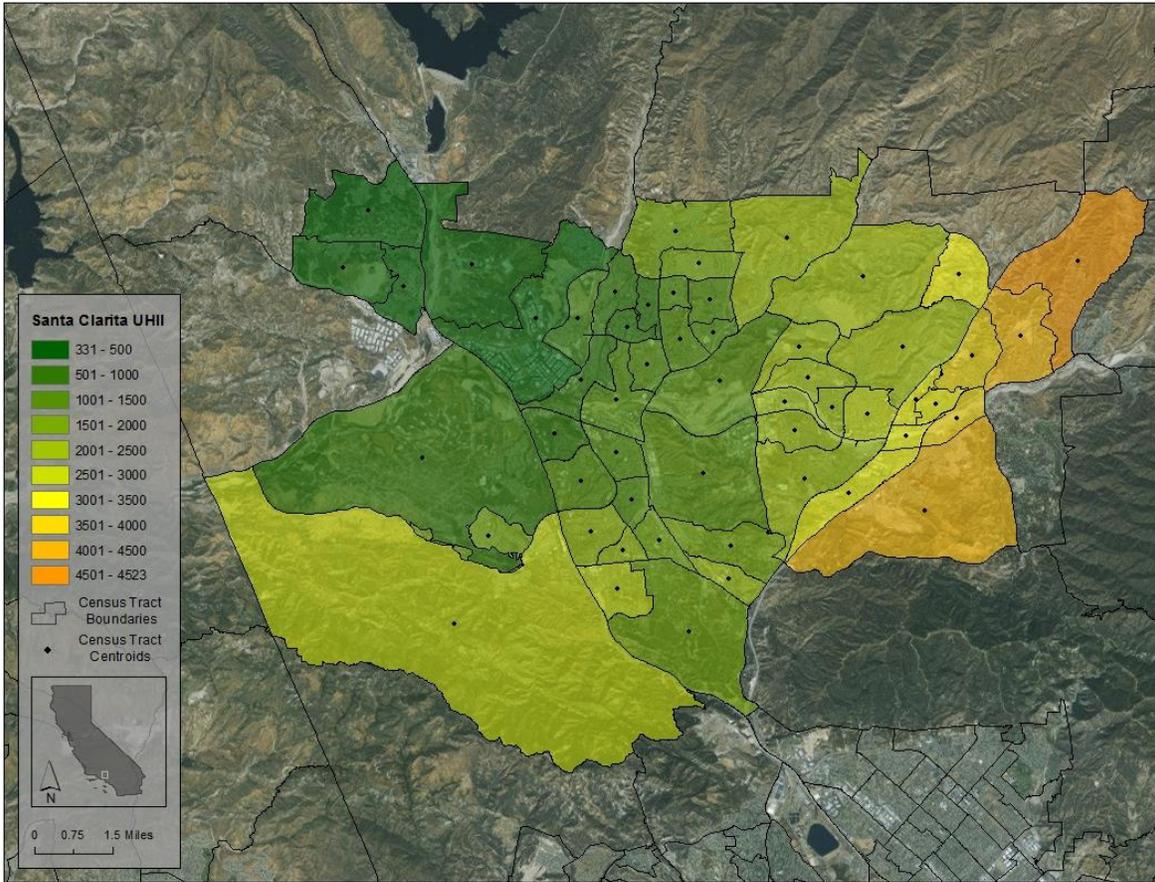


Figure A35: Santa Clarita area UHII (DH/182 days).
 Average temperature difference between warmest and coolest census tracts is 1.0°C.

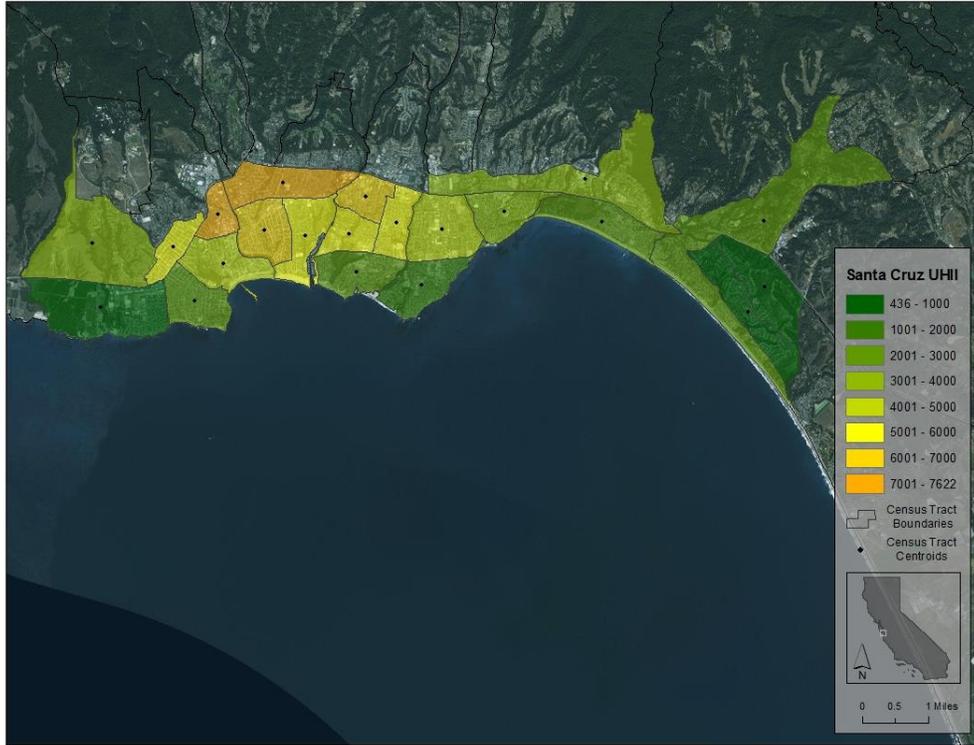


Figure A36: Santa Cruz area UHII (DH/182 days).
Average temperature difference between warmest and coolest census tracts is 1.6°C.

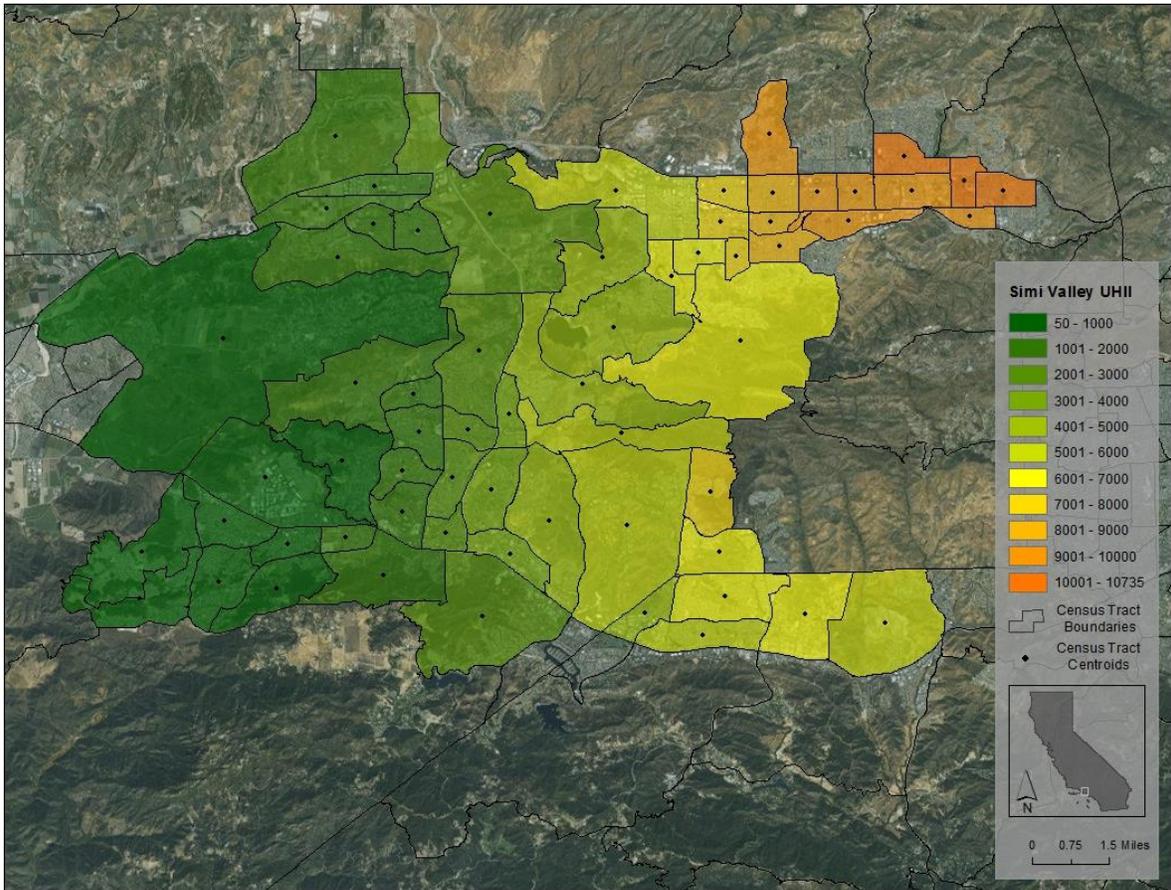


Figure A37: Simi Valley and Thousand Oaks areas UHII (DH/182 days).
Average temperature difference between warmest and coolest census tracts is 2.4°C.

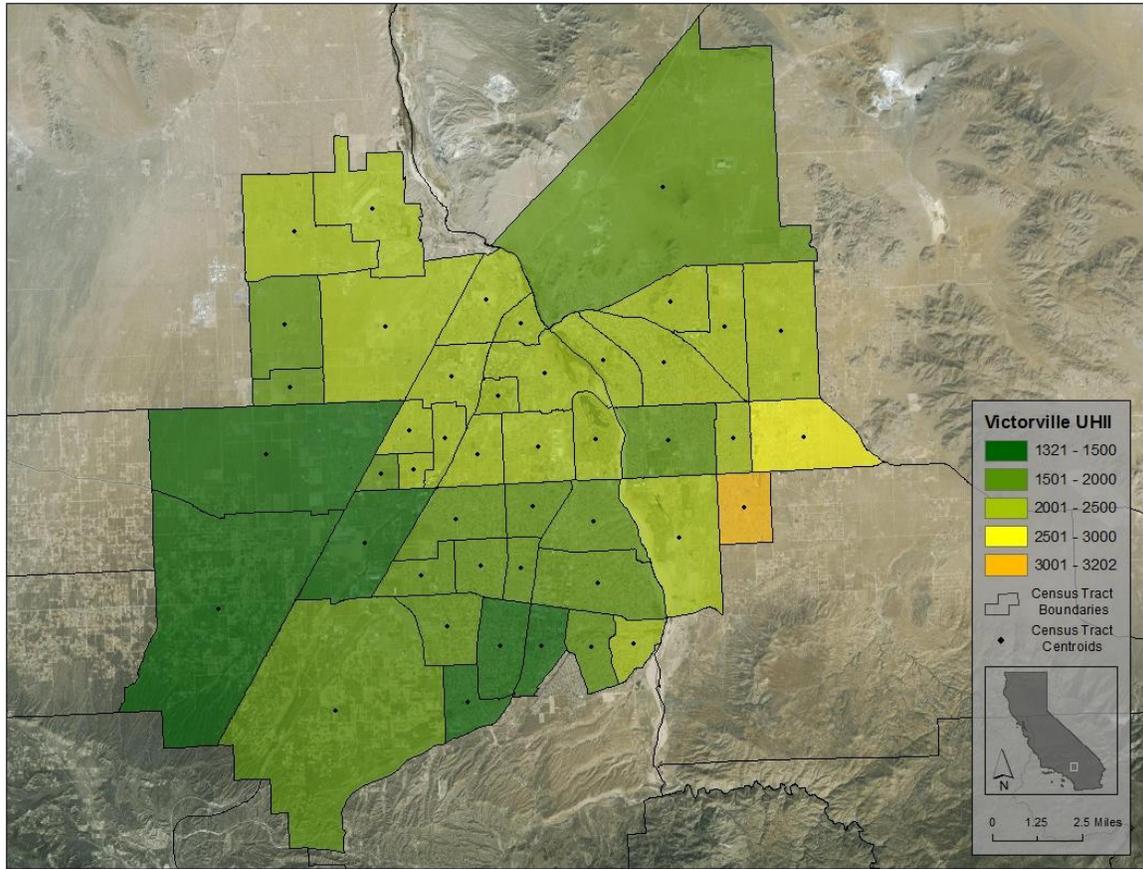


Figure A38: Victorville area UHII (DH/182 days).
 Average temperature difference between warmest and coolest census tracts is 0.4°C.

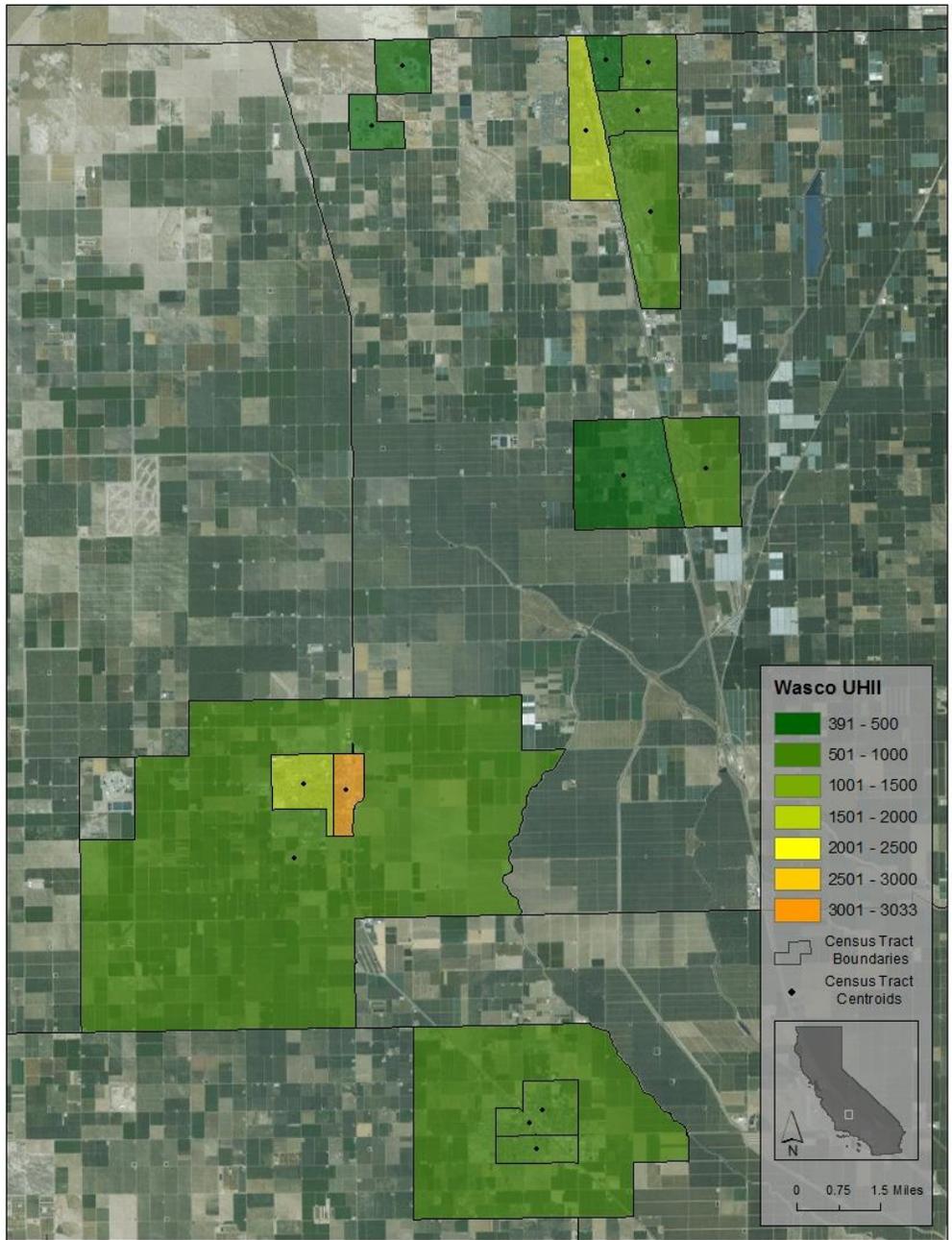


Figure A39: Delano, Wasco, and Shafter areas UHII (DH/182 days).
 Average temperature difference between warmest and coolest census tracts is 0.6°C.

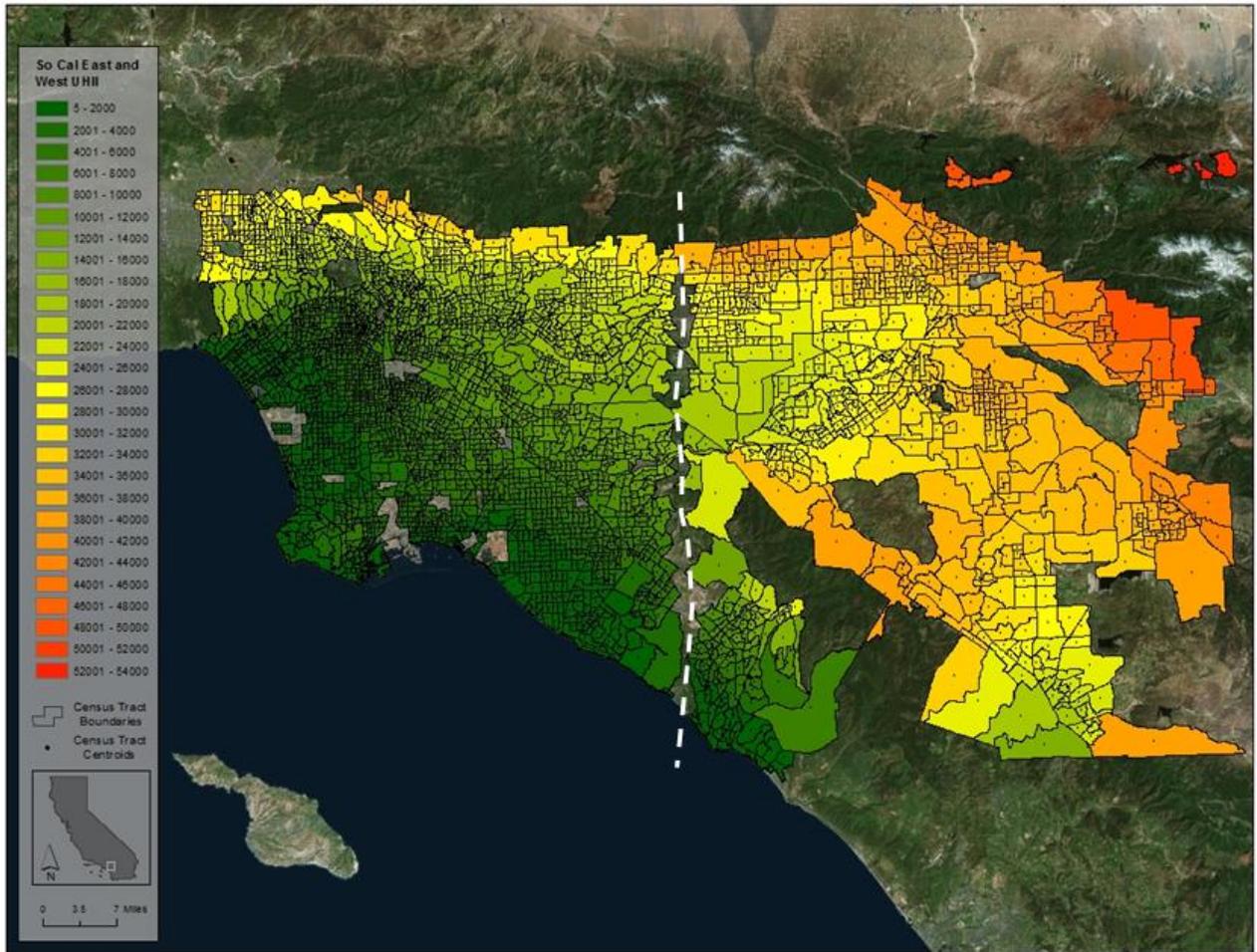


Figure A40: Los Angeles east and west basins.
 Average temperature difference between warmest and coolest census tracts is 10.6°C.

Table A1: UHII tiles and UHI reference points

The first line for each region provides information on dominant wind approach direction and the latitudes and longitudes of the SW and NE corners of the UHII tile. The second line provides the latitudes and longitudes of the UHI reference points.

Sacramento (SW,NW,NE,SE)	38.3581 -121.6457 / 38.9331 -120.9669
	38.4300 -121.6700 38.6800 -121.6000 38.6200 -121.1400 38.5300 -121.2600
Davis (SW,NW,NE,SE)	38.4216 -121.9124 / 38.7457 -121.6455
	38.4972 -121.8615 38.7027 -121.8435 38.7123 -121.6656 38.4809 -121.6955
Fairfield (SW,NW,NE,SE)	38.2025 -122.1626 / 38.4201 -121.8305
	38.2079 -122.0899 38.3817 -122.0236 38.3916 -121.8718 38.2442 -121.9013
Napa (SW,NW,NE,SE)	38.2007 -122.5326 / 38.4192 -122.1618
	38.2264 -122.4391 38.4115 -122.3764 38.3497 -122.2685 38.2506 -122.2575
Santa Rosa (SW,NW,NE,SE)	38.1979 -122.9208 / 38.6375 -122.5396
	38.2500 -122.7743 38.6242 -122.8888 38.4913 -122.6644 38.2379 -122.5504
San Rafael (SW,NW,NE,SE)	37.8152 -122.6678 / 38.2013 -122.4302
NA	38.1074 -122.6258 38.0765 -122.5045 37.9335 -122.5099
Lodi (W,N,E,S)	38.0646 -121.4499 / 38.3618 -121.1027
	38.1928 -121.3963 38.3326 -121.2718 38.1814 -121.1250 38.0787 -121.2142
Manteca (SW,NW,NE,SE)	37.6439 -121.5737 / 38.0647 -121.0503
	37.7827 -121.4925 38.0269 -121.4480 37.9914 -121.1001 37.6858 -121.1617
Modesto (SW,NW,NE,SE)	37.4094 -121.2400 / 37.7662 -120.6975
	37.5375 -121.1894 37.7046 -121.1870 37.7105 -120.8020 37.4695 -120.7412
Merced (SW,NW,NE,SE)	37.1083 -120.8072 / 37.4016 -120.1489
	37.2458 -120.6046 37.3401 -120.7542 37.3309 -120.3107 37.1965 -120.2561
Fresno (SW,NW,NE,SE)	36.6317 -120.1280 / 37.0326 -119.4574
	36.6800 -119.8600 36.8600 -119.9100 36.8200 -119.6400 36.7000 -119.6600
Parlier (SW,NW,NE,SE)	36.4231 -119.7050 / 35.6315 -119.2322
	36.4672 -119.6168 36.6127 -119.6471 36.5902 -119.3218 36.4774 -119.3931
Tulare (SW,NW,NE,SE)	35.9679 -119.8256 / 36.4195 -118.9468
	36.0962 -119.6792 36.3877 -119.7372 36.3561 -119.1305 36.0174 -119.1222
Wasco (SW,NW,NE,SE)	35.4679 -119.4034 / 35.8132 -119.0756
	35.5319 -119.3800 35.7647 -119.3540 35.7446 -119.1277 35.5333 -119.1542
Bakersfield (SW,NW,NE,SE)	35.1529 -119.2842 / 35.4626 -118.7525
	35.2202 -119.1569 35.4577 -119.2241 35.4092 -118.9034 35.2433 -118.8700
Lancaster (SW,NW,NE,SE)	34.5184 -118.2843 / 34.7458 -117.9312

34.6523 -118.277934.7122 -118.214634.7097 -117.997234.5317 -117.9444

Victorville (SW,NW,NE,SE) 34.3700 -117.4581 / 34.6254 -117.1192
34.4061 -117.424234.6032 -117.406034.5938 -117.174634.4292 -117.1956

Hollister (SW,NW,NE,SE) 36.7941 -121.4978 / 36.9275 -121.3107
36.8333 -121.468736.9029 -121.452336.8937 -121.330936.8168 -121.3459

Morgan Hill (SW,NW,NE,SE) 36.9300 -121.7044 / 37.1782 -121.4968
37.0299 -121.631037.1712 -121.688137.1200 -121.596236.9573 -121.5153

Watsonville (SW,NW,NE,SE) 36.7954 -121.8480 / 36.9753 -121.7044
36.8503 -121.797536.9538 -121.803936.9456 -121.711136.8976 -121.7234

San Jose (SW,NW,NE,SE) 37.1706 -122.2535 / 37.4781 -121.7041
37.2557 -122.024237.4671 -122.259037.4508 -121.969737.1977 -121.7282

San Francisco (W,N,E,S) 37.4768 -122.5571 / 37.8137 -122.1208
37.7110 -122.477737.7933 -122.463037.6178 -122.385037.5184 -122.2456

Los Banos (SW,NW,NE,SE) 36.9403 -120.9705 / 37.1070 -120.5879
36.9803 -120.856537.0843 -120.930837.0683 -120.670136.9606 -120.6745

Newman (SW,NW,NE,SE) 37.2014 -121.1177 / 37.4067 -120.8069
37.2309 -121.035037.3653 -121.066637.3661 -120.879337.2322 -120.9147

Vallejo (SW,NW,NE,SE) 38.0472 -122.3294 / 38.2023 -122.0031
38.0872 -122.271438.1866 -122.321238.1883 -122.240438.0672 -122.1219

Walnut Creek (SW,NW,NE,SE) 37.8143 -122.1721 / 38.0488 -121.9153
37.8437 -122.161238.0212 -122.140338.0352 -122.040437.8189 -122.0272

Livermore (W,N,E,S) 37.6005 -122.0009 / 37.8156 -121.5750
37.6974 -121.952637.8069 -121.931137.7167 -121.756537.6404 -121.8890

East Bay (SW,NW,NE,SE) 37.4782 -122.4303 / 38.0487 -121.8300
37.7256 -122.223737.9589 -122.382537.9013 -122.266237.5068 -122.0322

Santa Cruz (SW,NW,NE,SE) 36.9257 -122.1210 / 37.0122 -121.8478
36.9612 -122.096236.9814 -122.065736.9921 -121.916036.9340 -121.8512

Salinas (W,N,E,S) 36.5327 -121.9787 / 36.7941 -121.4987
36.5929 -121.884436.7508 -121.774236.6445 -121.545136.6291 -121.6521

Santa Clarita (W,N,E,S) 34.3306 -118.6682 / 34.5192 -118.2840
34.4349 -118.587134.4907 -118.618734.4133 -118.472434.3566 -118.5530

San Fernando (SW,NW,NE,SE) 34.1026 -118.5589 / 34.3301 -118.2887
34.1627 -118.653834.2645 -118.607334.2726 -118.388534.1489 -118.3182

Oxnard (W,N,E,S) 34.1001 -119.3111 / 34.3780 -118.9775
34.2235 -119.230534.3302 -119.116534.1973 -119.028334.1407 -119.1345

Simi Valley (W,N,E,S) 34.1030 -118.9765 / 34.3302 -118.6677

34.2365 -118.951234.3167 -118.890534.2839 -118.667634.1326 -118.8395
 San Diego (W,N,E,S) 32.5491 -117.3149 / 32.8728 -116.8123
 32.6979 -117.198332.8600 -117.128632.7662 -116.912532.5541 -117.0927
 Oceanside (SW,NW,NE,SE) 32.8702 -117.4397 / 33.4307 -116.9809
 32.9259 -117.247933.2533 -117.409533.3822 -117.149332.9527 -117.0056
 Ramona (W,N,E,S) 32.9689 -116.9806 / 33.1151 -116.7839
 33.0503 -116.952933.0845 -116.862933.0261 -116.840633.0017 -116.8913
 Santa Barbara (W,N,E,S) 34.3616 -119.9283 / 34.4613 -119.4492
 34.4191 -119.880334.4471 -119.632334.3969 -119.488834.4088 -119.6940
 Lompoc (SW,NW,NE,SE) 34.5961 -120.6439 / 34.7919 -120.3380
 34.6505 -120.565234.7653 -120.571434.6759 -120.408834.6156 -120.4208
 Solvang (W,N,E,S) 34.5548 -120.2377 / 34.6919 -119.9780
 34.6136 -120.226434.6780 -120.119434.6454 -120.055034.5827 -120.0723
 Malibu (W,N,E,S) 33.9940 -118.9766 / 34.1028 -118.6081
 34.0342 -118.8478NA 34.0352 -118.701334.0062 -118.8065
 Mission Viejo (SW,NW,NE,SE) 33.3765 -117.7515/ 33.6931 -117.5436
 33.4981 -117.724933.6768 -117.731333.6529 -117.588633.4418 -117.6291
 Atascadero (SW,NW,NE,SE) 35.4305 -120.7668 / 35.5766 -120.5979
 35.4795 -120.698435.5603 -120.742235.5609 -120.627235.4422 -120.6185
 San Luis Obispo (SW,NW,NE,SE) 35.1759 -120.7383 / 35.3372 -120.5313
 35.2674 -120.713635.3215 -120.720635.2993 -120.636835.2264 -120.6071
 Oceano (SW,NW,NE,SE) 35.0016 -120.6583 / 35.1747 -120.4332
 35.0244 -120.605235.1444 -120.643835.1059 -120.562435.0082 -120.4655
 Santa Maria(SW,NW,NE,SE) 34.7927 -120.5181 / 34.9998 -120.3366
 34.8729 -120.485134.9764 -120.489734.9468 -120.386534.8740 -120.3945
 Antioch (W,N,E,S) 37.8151 -122.0039 / 38.0634 -121.5755
 38.0333 -121.970638.0117 -121.669237.9319 -121.587237.8833 -121.6531
 Coalinga (SW,NW,NE,SE) 35.9689 -120.3871 / 36.1728 -119.8275
 36.0149 -120.215936.1645 -120.378536.1372 -119.967236.0074 -119.8546
 SoCAB west (SW,NW,NE,SE) 33.4211 -118.5625 / 34.2359 -117.7520
 33.7308 -118.295834.0509 -118.543333.9014 -117.686733.5410 -117.7647
 SoCAB east (W,N,E,S) 33.4330 -117.7517 / 34.2412 -116.7335
 33.9366 -117.705434.2050 -117.431433.8995 -117.015533.5291 -117.3077